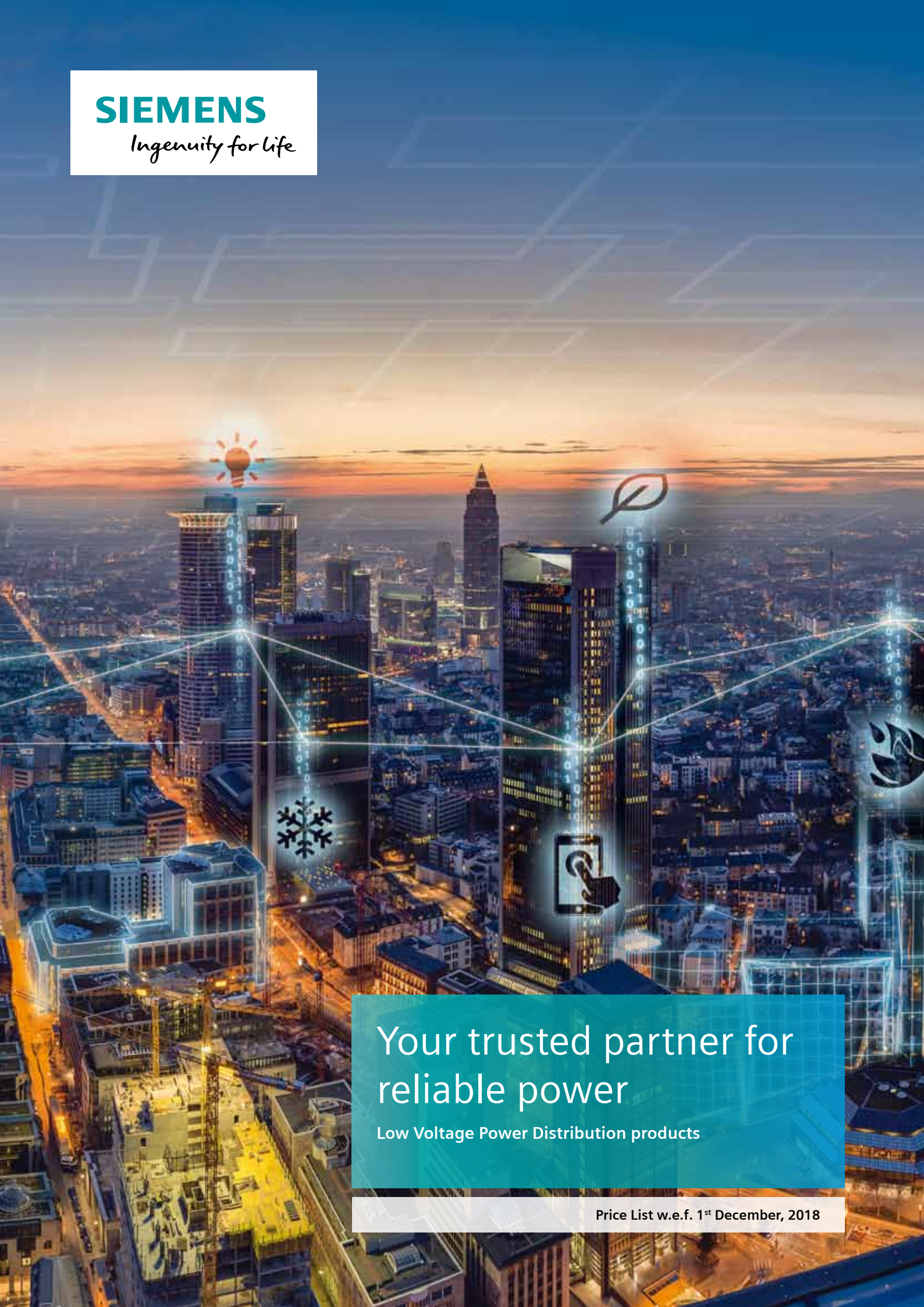


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Price List w.e.f. 1st December, 2018

LIST OF SITRAIN - INDIA TRAINING CENTERS (including Training Service Providers, TSPs)

| Title | Days |
|---|------------|
| Training Programmes on Automation | |
| SIMATIC S71200 with TIA V15 | 5 |
| SIMATIC S7300 with STEP7 V5.x Basic | 5 |
| SIMATIC S7400 with STEP7 V5.x Basic | 5 |
| SIMATIC WinCC Explorer V7.x Basic | 5 |
| SIMATIC WinCC Explorer V7.x Advance | 3 |
| SIMATIC WinCC (TIA Portal) Professional V15 | 5 |
| SIMATIC S71500 with TIA V15 Basic | 5 |
| SIMATIC S71500 with TIA V15 Advance | 3 |
| SIMATIC S7300 with STEP7 V5.x Advance | 3 |
| SIMATIC S7400 with STEP7 V5.x Advance | 3 |
| Networking on PROFIBUS/PROFINET with V5.x | 5 |
| Networking on PROFIBUS/PROFINET with TIA Portal V15 | 3 |
| DCS: SIMATIC PCS7 Basic | 10 |
| DCS: SIMATIC PCS7 Advance | 10 |
| SIMATIC Distributed (Machine Safety) course | 3 |
| SIMATIC Fail-safe (Process Safety) course | 3 |
| SIMATIC Industrial Identification | 3 |
| SIMATIC Industrial Communication | 2 |
| Industrial Networking | 3 |
| SCL with STEP7 Classic V5.6 | On Request |
| SCL with TIA Portal V15 | |
| PCS7 CEMAT | |

| Title | Days |
|---|------------|
| S7Graph with STEP7 Classic V5.6 | On Request |
| S7Graph with TIA Portal V15 | |
| Training Programmes on Digitalization | |
| Digitalization Auto Engineering | 5 |
| Digitalization_Stand_SiVArc | 3 |
| Training Programmes on Process Instrumentation | |
| Process Instrumentation | 4 |
| Training Programmes on Drive | |
| G120 with STARTER | 5 |
| SINAMICS G120 with TIA Portal | 4 |
| SINAMICS G130/G150 | 6 |
| SINAMICS S120 Basic | 5 |
| SINAMICS S120 Advance | 5 |
| SINAMICS S120 Safety functions | 3 |
| SIMOTION Basic | 5 |
| SIMOTION Advance | 5 |
| SINAMICS V90 | 3 |
| SINAMICS V20 | 3 |
| SINAMICS DC Master 6RA80 | 6 |
| SINAMICS Perfect Harmony GH180 | 5 |
| Application Based Crane Training | 5 |
| Basic Course on AC/DC Drive | 5 |
| Basic AC Drive with MM4 Maintenance | 5 |

| Title | Days |
|--|------------|
| AC Drive SIMOVERT Masterdrive Vector control | 6 |
| SIMOREG DC Master 6RA70 | 6 |
| SIMOTRAS HD | 5 |
| SINAMICS GM/GL/SL | On request |
| Training Programmes on LV Switchgear | |
| LV Switchgear Products & Coordination | 4 |
| LV Switchgear Products, Distribution & Panel | 4 |
| SIMOCODE AC-Motor control | 3 |
| Basic Automation for Switchgear User | 3 |
| AC Motor Basics Control & Maintenance | 3 |
| SIRIUS Soft Starter | 2 |
| Sentron PAC Meter | 2 |
| Sentron Power Manager | On Request |
| AC MV Motor | |
| Training Programmes for College | |
| CU PLC | 3 |
| CU SCADA | 3 |
| CU AC/DC Drive | 4 |
| CU PI | 3 |
| CU LV Switchgear | 3 |
| CU Motor | 2 |
| CU Mechatronics | 18 |

SITRAIN Training Executors in India (Address & Contacts)

SITRAIN India (Kalwa)
Siemens Ltd.
TSDC, Kalwa Works
Opposite Airoli Railway Station
Thane Belapur Road, Airoli
Navi Mumbai - 400708, Maharashtra
Tel: +91-22-39663208
E-mail: customer.training.in@siemens.com

STE-NORTH 1 (Panchkula)
Industrial Automation Training Centre
178, Phase II, Industrial Area
Panchakula -134113
Haryana, India.
Tel: +91-172-5044417
E-mail: info@iatc.in

STE-South-2 (Hyderabad)
Esskay Technologies
9-10-13, 2nd Floor, Siddam ShettyComplex
Canara Bank, Opposite Raymond Showroom
Parklane, Secunderabad - 500003
Tel: +91-40-66776353/040-66386352
E-mail: hydtc@esskay.in

STE-WEST 2 (Digha)
Christiani Sharpline Technical Training (P) Ltd.
Plot No.19, TTC Industrial Area
Vishnu Nagar, Dighe
Navi Mumbai - 400708
Tel: +91-22-39154101/105
E-mail: christiani@sharplinegroup.com

STE-East (Kolkata)
Unit No-207A, 2nd Floor, PS Aviator
Atghara, Rajarhat Newtown, Chinarpark
Kolkata - 700136
Tel: +91-8820378858
E-mail: koltc@esskay.in

STE-South-3 (Chennai)
Vi Microsystems Pvt. Ltd.
Plot No. 75, Electronics Estate, Perungudi
Tamil Nadu, Chennai - 600096
Tel: +91-44-42047536
E-mail: siemens@vimicrosystems.com

STE-Central (Bhilai)
Artech Solutions
2/5 Priyadarshani Parisar (West)
Nehru Nagar Square, Bhilai - 490020
Tel: +91-712-2243338
E-mail: arttech.bhilai@gmail.com

STE - SOUTH 1 (Coimbatore)
Karunya – SIEMENS Centre
Karunya University, Karunya Nagar
Coimbatore - 641114
Tel: +91-422-2614400/4399
E-mail: siemens@karunya.edu

STE-WEST 1 (Navi-Mumbai)
Esskay Services
Block No. 801-802, B Wing, Techno City
Plot No. X-4/1 & X-4/2, TTC Industrial Area
Mahape, Navi Mumbai - 460710
Tel: +91-22-27788403
E-mail: mumtc@esskay.in

For information on prices of below products please refer to the
LV Switchgear Motor Control Products valid Price List



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MCCB: SENTRON 3VA

- Rated current: 16A to 1000A
- 1 pole[^], 2 pole[^], 3 pole & 4 pole versions
- Thermal magnetic and Microprocessor based trip unit
- Common Internal accessories for the entire range
- Information on the GO - Unique Knowledge Manager (QR Code) for 24 X 7 Technical Information
- Innovative Accessories viz. Short Circuit Alarm Switch, Illuminated Handle, Shunt Trip Flexible etc



SENTRON 3VA MCCB, Thermal Magnetic Trip Unit, Fixed Thermal Fixed Magnetic (FTFM), Ics = 100% Icu, 415VAC, 50Hz

| Frame Size | Breaking Capacity @ 415VAC, 50Hz | Rated Current In (A) | 3 Pole | | 4 Pole | |
|------------|----------------------------------|----------------------|--------------------|------------|--------------------|------------|
| | | | Type | Unit LP* ₹ | Type | Unit LP* ₹ |
| 3VA10 | 16kA | 16 | 3VA1096-2ED32-0AA0 | 7175.- | 3VA1096-2ED42-0AA0 | 9300.- |
| | | 20 | 3VA1020-2ED32-0AA0 | 7175.- | 3VA1020-2ED42-0AA0 | 9300.- |
| | | 25 | 3VA1025-2ED32-0AA0 | 7175.- | 3VA1025-2ED42-0AA0 | 9300.- |
| | | 32 | 3VA1032-2ED32-0AA0 | 7175.- | 3VA1032-2ED42-0AA0 | 9300.- |
| | | 40 | 3VA1040-2ED32-0AA0 | 7175.- | 3VA1040-2ED42-0AA0 | 9300.- |
| | | 50 | 3VA1050-2ED32-0AA0 | 7175.- | 3VA1050-2ED42-0AA0 | 9300.- |
| | | 63 | 3VA1063-2ED32-0AA0 | 7175.- | 3VA1063-2ED42-0AA0 | 9300.- |
| | | 80 | 3VA1080-2ED32-0AA0 | 7850.- | 3VA1080-2ED42-0AA0 | 10190.- |
| 3VA10 | 25kA | 100 | 3VA1010-2ED32-0AA0 | 9080.- | 3VA1010-2ED42-0AA0 | 11830.- |
| | | 16 | 3VA1096-3ED32-0AA0 | 7365.- | 3VA1096-3ED42-0AA0 | 9615.- |
| | | 20 | 3VA1020-3ED32-0AA0 | 7365.- | 3VA1020-3ED42-0AA0 | 9615.- |
| | | 25 | 3VA1025-3ED32-0AA0 | 7365.- | 3VA1025-3ED42-0AA0 | 9615.- |
| | | 32 | 3VA1032-3ED32-0AA0 | 7365.- | 3VA1032-3ED42-0AA0 | 9615.- |
| | | 40 | 3VA1040-3ED32-0AA0 | 7365.- | 3VA1040-3ED42-0AA0 | 9615.- |
| | | 50 | 3VA1050-3ED32-0AA0 | 7365.- | 3VA1050-3ED42-0AA0 | 9615.- |
| | | 63 | 3VA1063-3ED32-0AA0 | 7365.- | 3VA1063-3ED42-0AA0 | 9615.- |
| 3VA11 | 25kA | 80 | 3VA1080-3ED32-0AA0 | 8015.- | 3VA1080-3ED42-0AA0 | 10430.- |
| | | 100 | 3VA1010-3ED32-0AA0 | 9275.- | 3VA1010-3ED42-0AA0 | 12070.- |
| 3VA11 | 25kA | 125 | 3VA1112-3ED32-0AA0 | 15630.- | 3VA1112-3ED42-0AA0 | 20295.- |
| | | 160 | 3VA1116-3ED32-0AA0 | 18185.- | 3VA1116-3ED42-0AA0 | 23665.- |
| 3VA10 | 36kA | 16 | 3VA1096-4ED32-0AA0 | 7775.- | 3VA1196-4GD42-0AA0 | 10760.- |
| | | 20 | 3VA1020-4ED32-0AA0 | 7775.- | 3VA1120-4GD42-0AA0 | 10760.- |
| | | 25 | 3VA1025-4ED32-0AA0 | 7775.- | 3VA1125-4GD42-0AA0 | 10760.- |
| | | 32 | 3VA1032-4ED32-0AA0 | 7775.- | 3VA1132-4GD42-0AA0 | 10760.- |
| | | 40 | 3VA1040-4ED32-0AA0 | 7775.- | 3VA1140-4GD42-0AA0 | 10760.- |
| | | 50 | 3VA1050-4ED32-0AA0 | 7775.- | 3VA1150-4GD42-0AA0 | 10760.- |
| | | 63 | 3VA1063-4ED32-0AA0 | 7775.- | 3VA1163-4GD42-0AA0 | 10760.- |
| | | 80 | 3VA1080-4ED32-0AA0 | 8160.- | 3VA1180-4GD42-0AA0 | 11800.- |
| 3VA11 | 36kA | 100 | 3VA1010-4ED32-0AA0 | 9465.- | 3VA1110-4GD42-0AA0 | 13630.- |
| | | 125 | 3VA1112-4ED32-0AA0 | 16970.- | 3VA1112-4GD42-0AA0 | 22060.- |
| 3VA11 | 36kA | 160 | 3VA1116-4ED32-0AA0 | 19790.- | 3VA1116-4GD42-0AA0 | 25730.- |
| | | 16 | 3VA1196-5ED32-0AA0 | 9115.- | 3VA1196-5GD42-0AA0 | 11830.- |
| 3VA11 | 55kA | 20 | 3VA1120-5ED32-0AA0 | 9115.- | 3VA1120-5GD42-0AA0 | 11830.- |
| | | 25 | 3VA1125-5ED32-0AA0 | 9115.- | 3VA1125-5GD42-0AA0 | 11830.- |
| | | 32 | 3VA1132-5ED32-0AA0 | 9115.- | 3VA1132-5GD42-0AA0 | 11830.- |
| | | 40 | 3VA1140-5ED32-0AA0 | 9115.- | 3VA1140-5GD42-0AA0 | 11830.- |
| | | 50 | 3VA1150-5ED32-0AA0 | 9115.- | 3VA1150-5GD42-0AA0 | 11830.- |
| | | 63 | 3VA1163-5ED32-0AA0 | 9115.- | 3VA1163-5GD42-0AA0 | 11830.- |
| | | 80 | 3VA1180-5ED32-0AA0 | 9995.- | 3VA1180-5GD42-0AA0 | 12990.- |
| | | 100 | 3VA1110-5ED32-0AA0 | 11575.- | 3VA1110-5GD42-0AA0 | 15015.- |
| | | 125 | 3VA1112-5ED32-0AA0 | 18650.- | 3VA1112-5GD42-0AA0 | 24240.- |
| | | 160 | 3VA1116-5ED32-0AA0 | 21745.- | 3VA1116-5GD42-0AA0 | 28295.- |

^ 3VA1 TMTU up to 160A

Std. Pkg. = 1 unit * LP - List Price

SENTRON 3VA MCCB, Thermal Magnetic Trip Unit, Adj. Thermal Fixed Magnetic (ATFM), Ics = 100% Icu, 415VAC, 50Hz

| Frame Size | Breaking Capacity @ 415VAC, 50Hz | Rated Current In (A) | 3 Pole | | 4 Pole | |
|----------------|----------------------------------|----------------------|--------------------|------------|--------------------|------------|
| | | | Type | Unit LP* ₹ | Type | Unit LP* ₹ |
| 3VA11 | 25kA | 16 | 3VA1196-3EE32-0AA0 | 9355.- | 3VA1196-3GE42-0AA0 | 13395.- |
| | | 20 | 3VA1120-3EE32-0AA0 | 9355.- | 3VA1120-3GE42-0AA0 | 13395.- |
| | | 25 | 3VA1125-3EE32-0AA0 | 9355.- | 3VA1125-3GE42-0AA0 | 13395.- |
| | | 32 | 3VA1132-3EE32-0AA0 | 9355.- | 3VA1132-3GE42-0AA0 | 13395.- |
| | | 40 | 3VA1140-3EE32-0AA0 | 9355.- | 3VA1140-3GE42-0AA0 | 13395.- |
| | | 50 | 3VA1150-3EE32-0AA0 | 9355.- | 3VA1150-3GE42-0AA0 | 13395.- |
| | | 63 | 3VA1163-3EE32-0AA0 | 9355.- | 3VA1163-3GE42-0AA0 | 13395.- |
| | | 80 | 3VA1180-3EE32-0AA0 | 9355.- | 3VA1180-3GE42-0AA0 | 13395.- |
| | | 100 | 3VA1110-3EE32-0AA0 | 9995.- | 3VA1110-3GE42-0AA0 | 13395.- |
| | | 125 | 3VA1112-3EE32-0AA0 | 16970.- | 3VA1112-3GE42-0AA0 | 20895.- |
| 3VA11 | 36kA | 16 | 3VA1196-4EE32-0AA0 | 11545.- | 3VA1196-4GE42-0AA0 | 15115.- |
| | | 20 | 3VA1120-4EE32-0AA0 | 11545.- | 3VA1120-4GE42-0AA0 | 15115.- |
| | | 25 | 3VA1125-4EE32-0AA0 | 11545.- | 3VA1125-4GE42-0AA0 | 15115.- |
| | | 32 | 3VA1132-4EE32-0AA0 | 11545.- | 3VA1132-4GE42-0AA0 | 15115.- |
| | | 40 | 3VA1140-4EE32-0AA0 | 11545.- | 3VA1140-4GE42-0AA0 | 15115.- |
| | | 50 | 3VA1150-4EE32-0AA0 | 11545.- | 3VA1150-4GE42-0AA0 | 15115.- |
| | | 63 | 3VA1163-4EE32-0AA0 | 11545.- | 3VA1163-4GE42-0AA0 | 15115.- |
| | | 80 | 3VA1180-4EE32-0AA0 | 11545.- | 3VA1180-4GE42-0AA0 | 15115.- |
| | | 100 | 3VA1110-4EE32-0AA0 | 11545.- | 3VA1110-4GE42-0AA0 | 15115.- |
| | | 125 | 3VA1112-4EE32-0AA0 | 17775.- | 3VA1112-4GE42-0AA0 | 22635.- |
| 3VA12 | | 160 | 3VA1116-4EE32-0AA0 | 20335.- | 3VA1116-4GE42-0AA0 | 26390.- |
| | | 200# | 3VA1220-4EF32-0AA0 | 27005.- | 3VA1220-4GF42-0AA0 | 33280.- |
| 3VA13 | | 250# | 3VA1225-4EF32-0AA0 | 28630.- | 3VA1225-4GF42-0AA0 | 35945.- |
| | | 320 NEW | 3VA1332-4EE32-0AA0 | 36465.- | 3VA1332-4GE42-0AA0 | 47210.- |
| 3VA14 | | 400 NEW | 3VA1340-4EE32-0AA0 | 36465.- | 3VA1340-4GE42-0AA0 | 47210.- |
| | | 500 NEW | 3VA1450-4EE32-0AA0 | 47065.- | 3VA1450-4GE42-0AA0 | 60975.- |
| 3VA14 | | 630 NEW | 3VA1463-4EE32-0AA0 | 47065.- | 3VA1463-4GE42-0AA0 | 60975.- |
| | | 16 | 3VA1196-5EE32-0AA0 | 13160.- | 3VA1196-5GE42-0AA0 | 16625.- |
| 3VA11 | 55kA | 20 | 3VA1120-5EE32-0AA0 | 13160.- | 3VA1120-5GE42-0AA0 | 16625.- |
| | | 25 | 3VA1125-5EE32-0AA0 | 13160.- | 3VA1125-5GE42-0AA0 | 16625.- |
| | | 32 | 3VA1132-5EE32-0AA0 | 13160.- | 3VA1132-5GE42-0AA0 | 16625.- |
| | | 40 | 3VA1140-5EE32-0AA0 | 13160.- | 3VA1140-5GE42-0AA0 | 16625.- |
| | | 50 | 3VA1150-5EE32-0AA0 | 13160.- | 3VA1150-5GE42-0AA0 | 16625.- |
| | | 63 | 3VA1163-5EE32-0AA0 | 13160.- | 3VA1163-5GE42-0AA0 | 16625.- |
| | | 80 | 3VA1180-5EE32-0AA0 | 13160.- | 3VA1180-5GE42-0AA0 | 16625.- |
| | | 100 | 3VA1110-5EE32-0AA0 | 13160.- | 3VA1110-5GE42-0AA0 | 16625.- |
| | | 125 | 3VA1112-5EE32-0AA0 | 20665.- | 3VA1112-5GE42-0AA0 | 24815.- |
| | | 160 | 3VA1116-5EE32-0AA0 | 22360.- | 3VA1116-5GE42-0AA0 | 28855.- |
| 3VA12 | | 200# | 3VA1220-5EF32-0AA0 | 28120.- | 3VA1220-5GF42-0AA0 | 34345.- |
| | | 250# | 3VA1225-5EF32-0AA0 | 29815.- | 3VA1225-5GF42-0AA0 | 37775.- |
| 3VA13 | | 320 NEW | 3VA1332-5EE32-0AA0 | 41585.- | 3VA1332-5GE42-0AA0 | 52095.- |
| | | 400 NEW | 3VA1340-5EE32-0AA0 | 41585.- | 3VA1340-5GE42-0AA0 | 52095.- |
| 3VA14 | | 500 NEW | 3VA1450-5EE32-0AA0 | 53785.- | 3VA1450-5GE42-0AA0 | 67190.- |
| | | 630 NEW | 3VA1463-5EE32-0AA0 | 53785.- | 3VA1463-5GE42-0AA0 | 67190.- |
| 3VA11 | 70kA | 16 | 3VA1196-6EE32-0AA0 | 18000.- | 3VA1196-6GE42-0AA0 | 22625.- |
| | | 20 | 3VA1120-6EE32-0AA0 | 18000.- | 3VA1120-6GE42-0AA0 | 22625.- |
| | | 25 | 3VA1125-6EE32-0AA0 | 18000.- | 3VA1125-6GE42-0AA0 | 22625.- |
| | | 32 | 3VA1132-6EE32-0AA0 | 18000.- | 3VA1132-6GE42-0AA0 | 22625.- |
| | | 40 | 3VA1140-6EE32-0AA0 | 18000.- | 3VA1140-6GE42-0AA0 | 22625.- |
| | | 50 | 3VA1150-6EE32-0AA0 | 18000.- | 3VA1150-6GE42-0AA0 | 22625.- |
| | | 63 | 3VA1163-6EE32-0AA0 | 18000.- | 3VA1163-6GE42-0AA0 | 22625.- |
| | | 80 | 3VA1180-6EE32-0AA0 | 18000.- | 3VA1180-6GE42-0AA0 | 22625.- |
| | | 100 | 3VA1110-6EE32-0AA0 | 18000.- | 3VA1110-6GE42-0AA0 | 22625.- |
| | | 125 | 3VA1112-6EE32-0AA0 | 33470.- | 3VA1112-6GE42-0AA0 | 35890.- |
| 3VA12 | | 160 | 3VA1116-6EE32-0AA0 | 33470.- | 3VA1116-6GE42-0AA0 | 35890.- |
| | | 200# | 3VA1220-6EF32-0AA0 | 37925.- | 3VA1220-6GF42-0AA0 | 48795.- |
| 3VA13 | | 250# | 3VA1225-6EF32-0AA0 | 37925.- | 3VA1225-6GF42-0AA0 | 48795.- |
| | | 320 NEW | 3VA1332-6EE32-0AA0 | 45585.- | 3VA1332-6GE42-0AA0 | 58930.- |
| 3VA14 | | 400 NEW | 3VA1340-6EE32-0AA0 | 45585.- | 3VA1340-6GE42-0AA0 | 58930.- |
| | | 500 NEW | 3VA1450-6EE32-0AA0 | 64795.- | 3VA1450-6GE42-0AA0 | 84005.- |
| 630 NEW | 3VA1463-6EE32-0AA0 | 64795.- | 3VA1463-6GE42-0AA0 | 84005.- | | |

Std. Pkg. = 1 unit # - Adjustable Thermal, Adjustable Magnetic

* LP - List Price

SENTRON 3VA MCCB for Motor Starter Protection (Adjustable Magnetic trip unit, 3pole) **NEW**

| Frame Size | Rated Current In (A) | Breaking Capacity (55kA, 415V, 50Hz) | | Breaking Capacity (70kA, 415V, 50Hz) | |
|------------|----------------------|--------------------------------------|------------|--------------------------------------|------------|
| | | Type | Unit LP* ₹ | Type | Unit LP* ₹ |
| 3VA11 | 8 | 3VA1108-5MG32-0AA0* | 12100.- | 3VA1108-6MG32-0AA0* | 14860.- |
| | 12.5 | 3VA1192-5MG32-0AA0* | 12100.- | 3VA1192-6MG32-0AA0* | 14860.- |
| | 20 | 3VA1120-5MH32-0AA0 | 12100.- | 3VA1120-6MH32-0AA0 | 14860.- |
| | 32 | 3VA1132-5MH32-0AA0 | 14455.- | 3VA1132-6MH32-0AA0 | 15575.- |
| | 40 | 3VA1140-5MH32-0AA0 | 14455.- | 3VA1140-6MH32-0AA0 | 15575.- |
| | 50 | 3VA1150-5MH32-0AA0 | 14455.- | 3VA1150-6MH32-0AA0 | 15575.- |
| | 63 | 3VA1163-5MH32-0AA0 | 14455.- | 3VA1163-6MH32-0AA0 | 15575.- |
| | 80 | 3VA1180-5MH32-0AA0 | 14455.- | 3VA1180-6MH32-0AA0 | 15575.- |
| | 100 | 3VA1110-5MH32-0AA0 | 14455.- | 3VA1110-6MH32-0AA0 | 15575.- |
| 3VA12 | 125 | 3VA1112-5MH32-0AA0 | 20730.- | 3VA1112-6MH32-0AA0 | 22410.- |
| | 160 | 3VA1216-5MH32-0AA0 | 21755.- | 3VA1216-6MH32-0AA0 | 31005.- |
| 3VA13 | 200 | 3VA1220-5MH32-0AA0 | 29920.- | 3VA1220-6MH32-0AA0 | 36720.- |
| | 250 NEW | 3VA1325-5MH32-0AA0 | 32645.- | 3VA1325-6MH32-0AA0 | 37160.- |
| 3VA14 | 320 NEW | 3VA1332-5MH32-0AA0 | 44800.- | 3VA1332-6MH32-0AA0 | 51055.- |
| | 400 NEW | 3VA1440-5MH32-0AA0 | 51290.- | 3VA1440-6MH32-0AA0 | 53580.- |
| | 500 NEW | 3VA1450-5MH32-0AA0 | 59040.- | 3VA1450-6MH32-0AA0 | 67030.- |

SENTRON 3VA MCCB, Thermal Magnetic Trip Unit, Fixed Thermal Fixed Magnetic (FTFM), Ics = 100% Icu

| Frame Size | Breaking Capacity @ 415V AC, 50Hz | Rated Current In (A) | 2 Pole | |
|------------|-----------------------------------|----------------------|--------------------|------------|
| | | | Type | Unit LP* ₹ |
| 3VA11 | 25kA | 16 | 3VA1196-3ED22-0AA0 | 6115.- |
| | | 20 | 3VA1120-3ED22-0AA0 | 6115.- |
| | | 25 | 3VA1125-3ED22-0AA0 | 6115.- |
| | | 32 | 3VA1132-3ED22-0AA0 | 6115.- |
| | | 40 | 3VA1140-3ED22-0AA0 | 6115.- |
| | | 50 | 3VA1150-3ED22-0AA0 | 6115.- |
| | | 63 | 3VA1163-3ED22-0AA0 | 6115.- |
| | | 80 | 3VA1180-3ED22-0AA0 | 6700.- |
| | | 100 | 3VA1110-3ED22-0AA0 | 7850.- |
| | | 125 | 3VA1112-3ED22-0AA0 | 12700.- |
| 3VA11 | 36kA | 160 | 3VA1116-3ED22-0AA0 | 14665.- |
| | | 16 | 3VA1196-4ED22-0AA0 | 6700.- |
| | | 20 | 3VA1120-4ED22-0AA0 | 6700.- |
| | | 25 | 3VA1125-4ED22-0AA0 | 6700.- |
| | | 32 | 3VA1132-4ED22-0AA0 | 6700.- |
| | | 40 | 3VA1140-4ED22-0AA0 | 6700.- |
| | | 50 | 3VA1150-4ED22-0AA0 | 6700.- |
| | | 63 | 3VA1163-4ED22-0AA0 | 6700.- |
| | | 80 | 3VA1180-4ED22-0AA0 | 7395.- |
| | | 100 | 3VA1110-4ED22-0AA0 | 8545.- |
| | | 125 | 3VA1112-4ED22-0AA0 | 13615.- |
| | | 160 | 3VA1116-4ED22-0AA0 | 15930.- |



3VA11¹⁾, 1 Pole

3VA11, 2 Pole

¹⁾ Price upon enquiry

* Fixed magnetic

Note: 1pole & 2pole version also available in 55kA. Kindly contact your nearest sales office for further information

SENTRON 3VA MCCB, Microprocessor Trip Unit, ETU320 LI, Ics = 100% Icu, 415VAC, 50Hz

| Frame Size | Breaking Capacity @ 415VAC, 50Hz | Rated Current In (A) | 3 Pole | | 4 Pole | |
|------------|----------------------------------|----------------------|--------------------|------------|--------------------|------------|
| | | | Type | Unit LP* ₹ | Type | Unit LP* ₹ |
| 3VA20 | 36kA | 25 | 3VA2025-4HL32-0AA0 | 19380.- | 3VA2025-4HL42-0AA0 | 24985.- |
| | | 40 | 3VA2040-4HL32-0AA0 | 19380.- | 3VA2040-4HL42-0AA0 | 24985.- |
| | | 63 | 3VA2063-4HL32-0AA0 | 19380.- | 3VA2063-4HL42-0AA0 | 24985.- |
| | | 100 | 3VA2010-4HL32-0AA0 | 19380.- | 3VA2010-4HL42-0AA0 | 24985.- |
| | | 160 | 3VA2116-4HL32-0AA0 | 26200.- | 3VA2116-4HL42-0AA0 | 36570.- |
| | | 250 | 3VA2225-4HL32-0AA0 | 35960.- | 3VA2225-4HL42-0AA0 | 48760.- |
| | | 400 | 3VA2340-4HL32-0AA0 | 48045.- | 3VA2340-4HL42-0AA0 | 63235.- |
| | | 630 | 3VA2463-4HL32-0AA0 | 49950.- | 3VA2463-4HL42-0AA0 | 66185.- |
| 3VA20 | 55kA | 25 | 3VA2025-5HL32-0AA0 | 24645.- | 3VA2025-5HL42-0AA0 | 33765.- |
| | | 40 | 3VA2040-5HL32-0AA0 | 24645.- | 3VA2040-5HL42-0AA0 | 33765.- |
| | | 63 | 3VA2063-5HL32-0AA0 | 24645.- | 3VA2063-5HL42-0AA0 | 33765.- |
| | | 100 | 3VA2010-5HL32-0AA0 | 24645.- | 3VA2010-5HL42-0AA0 | 33765.- |
| | | 160 | 3VA2116-5HL32-0AA0 | 31240.- | 3VA2116-5HL42-0AA0 | 40455.- |
| | | 250 | 3VA2225-5HL32-0AA0 | 40820.- | 3VA2225-5HL42-0AA0 | 53890.- |
| | | 400 | 3VA2340-5HL32-0AA0 | 51805.- | 3VA2340-5HL42-0AA0 | 67890.- |
| | | 630 | 3VA2463-5HL32-0AA0 | 63630.- | 3VA2463-5HL42-0AA0 | 71065.- |
| | | 800 | 3VA2580-5HL32-0AA0 | 93045.- | 3VA2580-5HL42-0AA0 | 119025.- |
| | | 1000 | 3VA2510-5HL32-0AA0 | 123290.- | 3VA2510-5HL42-0AA0 | 164600.- |
| 3VA20 | 85kA | 25 | 3VA2025-6HL32-0AA0 | 32220.- | 3VA2025-6HL42-0AA0 | 39920.- |
| | | 40 | 3VA2040-6HL32-0AA0 | 32220.- | 3VA2040-6HL42-0AA0 | 39920.- |
| | | 63 | 3VA2063-6HL32-0AA0 | 32220.- | 3VA2063-6HL42-0AA0 | 39920.- |
| | | 100 | 3VA2010-6HL32-0AA0 | 32220.- | 3VA2010-6HL42-0AA0 | 39920.- |
| | | 160 | 3VA2116-6HL32-0AA0 | 42250.- | 3VA2116-6HL42-0AA0 | 53935.- |
| | | 250 | 3VA2225-6HL32-0AA0 | 46920.- | 3VA2225-6HL42-0AA0 | 68330.- |
| | | 400 | 3VA2340-6HL32-0AA0 | 58880.- | 3VA2340-6HL42-0AA0 | 77320.- |
| | | 630 | 3VA2463-6HL32-0AA0 | 70340.- | 3VA2463-6HL42-0AA0 | 93860.- |
| | | 800 | 3VA2580-6HL32-0AA0 | 102300.- | 3VA2580-6HL42-0AA0 | 136075.- |
| | | 1000 | 3VA2510-6HL32-0AA0 | 140995.- | 3VA2510-6HL42-0AA0 | 188210.- |

SENTRON 3VA MCCB, Microprocessor Trip Unit, ETU330 LIG, Ics = 100% Icu, 415VAC, 50Hz

| Frame Size | Breaking Capacity @ 415VAC, 50Hz | Rated Current In (A) | 3 Pole | | 4 Pole | |
|------------|----------------------------------|----------------------|--------------------|------------|--------------------|------------|
| | | | Type | Unit LP* ₹ | Type | Unit LP* ₹ |
| 3VA20 | 36kA | 25 | 3VA2025-4HM32-0AA0 | 26695.- | 3VA2025-4HM42-0AA0 | 32910.- |
| | | 40 | 3VA2040-4HM32-0AA0 | 26695.- | 3VA2040-4HM42-0AA0 | 32910.- |
| | | 63 | 3VA2063-4HM32-0AA0 | 26695.- | 3VA2063-4HM42-0AA0 | 32910.- |
| | | 100 | 3VA2010-4HM32-0AA0 | 26695.- | 3VA2010-4HM42-0AA0 | 32910.- |
| | | 160 | 3VA2116-4HM32-0AA0 | 33765.- | 3VA2116-4HM42-0AA0 | 42050.- |
| | | 250 | 3VA2225-4HM32-0AA0 | 42670.- | 3VA2225-4HM42-0AA0 | 53630.- |
| | | 400 | 3VA2340-4HM32-0AA0 | 57385.- | 3VA2340-4HM42-0AA0 | 72380.- |
| | | 630 | 3VA2463-4HM32-0AA0 | 63125.- | 3VA2463-4HM42-0AA0 | 79615.- |
| 3VA20 | 55kA | 25 | 3VA2025-5HM32-0AA0 | 30425.- | 3VA2025-5HM42-0AA0 | 34865.- |
| | | 40 | 3VA2040-5HM32-0AA0 | 30425.- | 3VA2040-5HM42-0AA0 | 34865.- |
| | | 63 | 3VA2063-5HM32-0AA0 | 30425.- | 3VA2063-5HM42-0AA0 | 34865.- |
| | | 100 | 3VA2010-5HM32-0AA0 | 31055.- | 3VA2010-5HM42-0AA0 | 36445.- |
| | | 160 | 3VA2116-5HM32-0AA0 | 41840.- | 3VA2116-5HM42-0AA0 | 50205.- |
| | | 250 | 3VA2225-5HM32-0AA0 | 51025.- | 3VA2225-5HM42-0AA0 | 63675.- |
| | | 400 | 3VA2340-5HM32-0AA0 | 61615.- | 3VA2340-5HM42-0AA0 | 77715.- |
| | | 630 | 3VA2463-5HM32-0AA0 | 67780.- | 3VA2463-5HM42-0AA0 | 85475.- |
| | | 800 | 3VA2580-5HM32-0AA0 | 98370.- | 3VA2580-5HM42-0AA0 | 127875.- |
| | | 1000 | 3VA2510-5HM32-0AA0 | 132140.- | 3VA2510-5HM42-0AA0 | 173455.- |
| 3VA20 | 85kA | 25 | 3VA2025-6HM32-0AA0 | 37990.- | 3VA2025-6HM42-0AA0 | 46205.- |
| | | 40 | 3VA2040-6HM32-0AA0 | 37990.- | 3VA2040-6HM42-0AA0 | 46205.- |
| | | 63 | 3VA2063-6HM32-0AA0 | 37990.- | 3VA2063-6HM42-0AA0 | 46205.- |
| | | 100 | 3VA2010-6HM32-0AA0 | 37990.- | 3VA2010-6HM42-0AA0 | 46205.- |
| | | 160 | 3VA2116-6HM32-0AA0 | 48405.- | 3VA2116-6HM42-0AA0 | 60760.- |
| | | 250 | 3VA2225-6HM32-0AA0 | 56685.- | 3VA2225-6HM42-0AA0 | 79535.- |
| | | 400 | 3VA2340-6HM32-0AA0 | 68685.- | 3VA2340-6HM42-0AA0 | 87125.- |
| | | 630 | 3VA2463-6HM32-0AA0 | 75555.- | 3VA2463-6HM42-0AA0 | 95850.- |
| | | 800 | 3VA2580-6HM32-0AA0 | 110825.- | 3VA2580-6HM42-0AA0 | 144925.- |
| | | 1000 | 3VA2510-6HM32-0AA0 | 149520.- | 3VA2510-6HM42-0AA0 | 197060.- |

Std. Pkg. = 1 unit

* LP - List Price

SENTRON 3VA MCCB, Switch Disconnecter (without protection)

| Frame Size | Breaking Capacity | Rated Current In (A) | 3 Pole | | 4 Pole | |
|------------|-------------------|----------------------|--------------------|------------|--------------------|------------|
| | | | Type | Unit LP* ₹ | Type | Unit LP* ₹ |
| 3VA11 | NA | 63 | 3VA1163-1AA32-0AA0 | 10155.- | 3VA1163-1AA42-0AA0 | 15005.- |
| | | 100 | 3VA1110-1AA32-0AA0 | 10155.- | 3VA1110-1AA42-0AA0 | 15005.- |
| | | 125 | 3VA1112-1AA32-0AA0 | 20775.- | 3VA1112-1AA42-0AA0 | 27700.- |
| | | 160 | 3VA1116-1AA32-0AA0 | 20775.- | 3VA1116-1AA42-0AA0 | 27700.- |
| 3VA12 | NA | 250 | 3VA1225-1AA32-0AA0 | 20775.- | 3VA1225-1AA42-0AA0 | 27700.- |
| 3VA13 | NA | 400 NEW | 3VA1340-1AA32-0AA0 | 26795.- | 3VA1340-1AA42-0AA0 | 34840.- |

NA - Not Applicable

Earth fault protection for SENTRON 3VA & 3VT moulded case circuit breaker

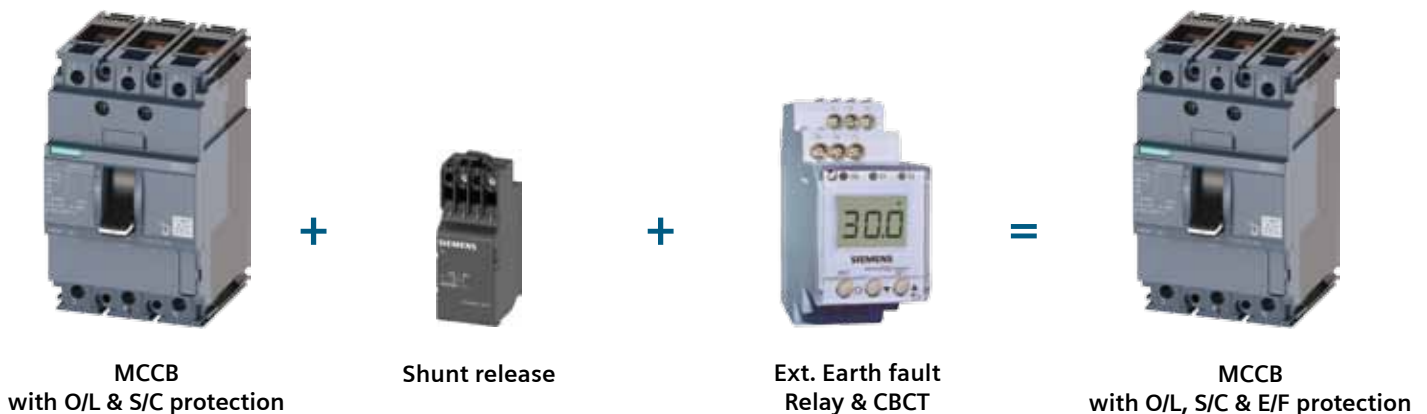
Earth fault monitoring relay

- Comply to IEC 60947-4-1 & IEC 60947-5-1
- Universal auxiliary supply: 85-270V AC/DC
- LCD display
- Potential free change over contact: 2C/O - one for Alarm and one for trip
- Space saving - 35mm width
- Setting range from 10%-80% of CBCT current
- Auto, Manual and Remote rest feature
- Settable trip time delay from 0-99.9s
- RoHS compliant



| Description | Type | Unit LP* ₹ | |
|--|---------------|------------|--------|
| Earth fault monitoring relay | 7UG0861-1BU20 | 4145.- | |
| CBCT for EFR: 160 frame Suitable for 3VA1 up to 160A | 3P | 7UG09910 | 1485.- |
| | 4P | 7UG09911 | 1690.- |
| CBCT for EFR: 250 frame Suitable for 3VA1 250A, 3VA2 up to 250A | 3P | 7UG09912 | 1795.- |
| | 4P | 7UG09913 | 2115.- |
| CBCT for EFR: 630 frame Suitable for 3VA2 400A/ 630A | 3P | 7UG09914 | 2645.- |
| | 4P | 7UG09915 | 2855.- |

Note: Order 1 no of shunt trip release for MCCB separately along with earth fault relay



Std. Pkg. = 1 unit

* LP - List Price

SENTRON 3VA - Accessories

| Frame | 3VA1 100A/ 160A/ 250A/ 400A/ 630A | Unit LP* ₹ | 3VA2 100A / 160A / 250A 3VA2 400A/ 630A/ 800A/ 1000A | Unit LP* ₹ | |
|--|--|---|---|--|--------|
| Accessory | Type | | Type | | |
| Auxiliary switch (AUX) | 3VA99880AA12 (1 C/O) | 1580.- | 3VA99880AA12 (1 C/O) | 1580.- | |
| Alarm switch (TAS) | 3VA99880AB12 (1 C/O) | 2440.- | 3VA99880AB12 (1 C/O) | 2440.- | |
| Short-circuit Alarm switch (SAS) for 3VA1 Only | 3VA99880AB32 (for 3VA10/ 11 100A/160A) | 1300.- | - | | |
| | 3VA99880AB34 (for 3VA12/ 13/ 14 250A/ 400A/ 630A) | 1300.- | - | | |
| Electrical alarm switches (EAS) for 3VA2 Only | - | | 3VA99880AB22 | 1300.- | |
| Under voltage release (UVR) | | | | | |
| 120-127 V AC 50/60 Hz 208-230 V AC 50/60 Hz 380-400 V AC 50/60 Hz | 3VA99080BB24 | 3735.- | 3VA99080BB24 | 3735.- | |
| | 3VA99080BB25 | 3735.- | 3VA99080BB25 | 3735.- | |
| | 3VA99080BB26 | 3735.- | 3VA99080BB26 | 3735.- | |
| Shunt release flexible (STF) | | | | | |
| 110-127 V AC 50/60 Hz 208-277 V AC 50/60 Hz 380-500 V AC 50/60 Hz | 3VA99880BA22 | 2810.- | 3VA99880BA22 | 2810.- | |
| | 3VA99880BA23 | 2810.- | 3VA99880BA23 | 2810.- | |
| | 3VA99880BA24 | 2810.- | 3VA99880BA24 | 2810.- | |
| Shunt release left (STL) for 3VA2 800A / 1000A | | | | | |
| 110-127 V AC 50/60 Hz 208-277 V AC 50/60 Hz 380-500 V AC 50/60 Hz | | | 3VA99880BL32 3VA99880BL33 3VA99880BL20 | 2810.- 2810.- 2810.- | |
| | Extended Door Mounted Rotary Operator (including 8UC handle) | 3VA9157-0FK51 (for 3VA10/ 11 100A/160A) | 2285.- | 3VA9267-0FK51 (for 3VA20/ 21/ 22 100A/ 160A/ 250A) | 2400.- |
| | | 3VA9257-0FK51 (for 3VA12 250A) | 2400.- | 3VA9467-0FK51 (for 3VA23/ 24 400A/ 630A) | 3770.- |
| Extended Door Mounted Rotary Operator ^ | 3VA9467-0FK21 (for 3VA13/ 14 400A/ 630A) NEW | 4930.- | 3VA9687-0FK21 (for 3VA25 800A/ 1000A) | 8075.- | |
| Illuminated - Door mounted rotary operator 24V DC | 3VA9157-0FK23 (for 3VA10/ 11 100A/160A) | 4820.- | 3VA9267-0FK23 (for 3VA20/ 21/ 22 100A/ 160A/ 250A) | 5295.- | |
| | 3VA9257-0FK23 (for 3VA12 250A) | 5295.- | 3VA9467-0FK23 (for 3VA23/ 24 400A/ 630A) | 6735.- | |
| | 3VA9467-0FK23 (for 3VA13/ 14 400A/ 630A) NEW | 6735.- | | | |
| Castell interlock kit* (for breakers with 8UC Handles) (To interlock two or more circuit breakers) | 8UC60701YQ.. 3VA10/ 11 (100A/ 160A) | 3975.- | 8UC60701YQ.. 3VA20/ 21/ 22 (100A/ 160A/ 250A) | 3975.- | |
| | 8UC60701YQ.. 3VA12 (250A) | 3975.- | 8UC60701YQ.. 3VA23/ 24 (400A/ 630A) | 3975.- | |
| Sliding Bar Interlock (for same size breakers with Toggle Lever) | 3VA91580VF30 (for 3VA10/ 11 100A/160A) | 4820.- | 3VA91680VF30 (for 3VA20/ 21/ 22 100A/ 160A/ 250A) | 5295.- | |
| | 3VA92580VF30 (for 3VA12 250A) | 5000.- | 3VA93680VF30 (for 3VA23/ 24 400A/ 630A) | 5645.- | |
| | 3VA93680VF30 (for 3VA13/ 14 400A/ 630A) NEW | 5645.- | | | |
| Locking device for breaker with Toggle lever | 3VA90880LB10 (3VA10/ 11/ 12 100A/ 160A/ 250A) | 1475.- | 3VA93880LB10 (for 3VA20/ 21/ 22/ 23/ 24 100A/ 160A/ 250A/ 400A/ 630A) | 1940.- | |
| | 3VA93880LB10 (for 3VA13/ 14 400A/ 630A) NEW | 1940.- | | | |
| Motorised drive - (Motorised operator - MO) 110-230V AC/ 110-250VDC | 3VA91570HA20 (for 3VA11 160A) | 16180.- | 3VA92670HA20 (for 3VA20/ 21/ 22 100A/ 160A/ 250A) | 21170.- | |
| | 3VA92570HA20 (for 3VA12 250A) | 21170.- | 3VA94670HA20 (for 3VA23/ 24 400A/ 630A) | 24995.- | |
| | 3VA94670HA20 (for 3VA13/ 14 400A/ 630A) NEW | 24995.- | | | |
| Spreader links - Broadened (with phase barriers) | 3VA91530QC00 (for 3pole, 3VA10/ 11 100A/ 160A) | 2010.- | 3VA92630QC00 (for 3pole, 3VA20/ 21/ 22 100A/ 160A/ 250A) | 2110.- | |
| | 3VA91540QC00 (for 4pole, 3VA10/ 11 100A/ 160A) | 2590.- | 3VA92640QC00 (for 4pole, 3VA20/ 21/ 22 100A/ 160A/ 250A) | 2830.- | |
| | 3VA92530QC00 (for 3pole, 3VA12 250A) | 2055.- | 3VA94830QC00 (for 3pole, 3VA23/ 24 400A/ 630A) | 2505.- | |
| | 3VA92540QC00 (for 4pole, 3VA12 250A) | 2740.- | | | |
| | 3VA94830QC00 (for 3pole 3VA13/ 14 400A/ 630A) | 2505.- | | | |
| | 3VA94840QC00 (for 4pole 3VA13/ 14 400A/ 630A) | 3325.- | | | |
| Busbar extensions (with phase barriers) | - | | 3VA96030QB00 (for 3pole, 3VA25 800A/ 1000A) | 4440.- | |
| | | | 3VA96040QB00 (for 4pole, 3VA25 800A/ 1000A) | 5930.- | |
| Rear Terminals - Flat 1 set = 2 short + 1 Long (3pole) / 2 short + 2 Long (4pole) | 3VA91130QE00 (for 3pole, 3VA10/ 11 100A/ 160A) | 1650.- | 3VA92030QE00 (for 3pole, 3VA20/ 21/ 22 100A/ 160A/ 250A) | 2110.- | |
| | 3VA91140QE00 (for 4pole, 3VA10/ 11 100A/ 160A) | 2235.- | 3VA92040QE00 (for 4pole, 3VA20/ 21/ 22 100A/ 160A/ 250A) | 2830.- | |
| | 3VA92130QE00 (for 3pole, 3VA12 250A) | 2115.- | 3VA94030QE00 (for 3pole, 3VA23/ 24 400A/ 630A) | 3430.- | |
| | 3VA92140QE00 (for 4pole, 3VA12 250A) | 2830.- | | | |
| | 3VA94030QE00 (for 3pole, 3VA13/ 14 400A/ 630A) | 3430.- | | | |
| | 3VA94040QE00 (for 4pole, 3VA13/ 14 400A/ 630A) | 4570.- | | | |
| Phase Barriers (1 set = 2 phase barriers) | 3VA91520WA00 (for 3VA10/ 11 100A/ 160A) | 315.- | 3VA92620WA00 (for 3VA20/ 21/ 22 100A/ 160A/ 250A) | 315.- | |
| | 3VA92520WA00 (for 3VA12 250A) | 315.- | 3VA94820WA00 (for 3VA23/ 24 400A/ 630A) | 740.- | |
| | 3VA94820WA00 (for 3VA13/ 14 400A/ 630A) NEW | 740.- | 3VA96020WA00 (for 3VA25 800A/ 1000A) | 745.- | |

Notes:

The 11th and 12th place of the type reference will indicate the alphabet type of lock & key. Combinations available are A, B, C, D, A-, -B, -C, AB, AC. 11th place will be A, B, C, D for castell lock type A, B, C, D respectively. 11th and 12 place will be AO, OB, OC, AB, AC for castell lock type A-, -B, -C, AB, AC respectively
 For higher breaking capacities (110kA and 150kA) and other special application MCCB, contact our nearest Sales Office.
 For side mounted handles please contact our nearest Sales Office.

® 1 set contains rotary mechanism, coupler, shaft and 8UC Front drive.

Spreader link 1 set = 3 nos. links and 2 nos. phase barriers in case of 3 pole; and 4 nos. links and 3 nos. phase barriers in case of 4 pole.

1) Door mounted rotary handles are not available for 1pole/ 2pole 3VA1 MCCBs

^ 3VA2 800A/1000A, 3VA1 400/ 630A extended rotary operator imported version (with 8UD handles)

Std. Pkg. = 1 unit

* LP - List Price



SENTRON 3VA27 moulded case circuit breakers



- Line, motor, starter protection and non-automatic circuit breaker
- Rated currents 800A to 1600A (3pole/ 4pole)
- Fixed & Draw-out variants
- Toggle lever or Stored-energy Operator (factory fitted)
- Interchangeable ETU LI/ LSI/ LSIg protection
- Short-circuit breaking capacity 55kA to 110 kA @ 415 V AC
- Communication via Modbus TCP, Modbus RTU, PROFIBUS & PROFINET
- Metering function according to IEC 61557-12

SENTRON 3VA MCCB, Microprocessor Trip Unit, ETU320 LI, Ics = 100% Icu, 415VAC, 50Hz [§] (Fixed mounted)

| Frame Size | Breaking Capacity @ 415VAC, 50Hz | Rated Current In (A) | 3 Pole | | 4 Pole | |
|------------|----------------------------------|----------------------|--------------------|------------|--------------------|------------|
| | | | Type | Unit LP* ₹ | Type | Unit LP* ₹ |
| 3VA27 | 55kA | 1250 | 3VA2712-5AB03-0AA0 | 177310.- | 3VA2712-5AB13-0AA0 | 238480.- |
| | | 1600 | 3VA2716-5AB03-0AA0 | 245395.- | 3VA2716-5AB13-0AA0 | 330230.- |
| | 85kA | 1250 | 3VA2712-6AB03-0AA0 | 194790.- | 3VA2712-6AB13-0AA0 | 262145.- |
| | | 1600 | 3VA2716-6AB03-0AA0 | 269425.- | 3VA2716-6AB13-0AA0 | 362995.- |

SENTRON 3VA MCCB, Microprocessor Trip Unit, ETU360 LSIg, Ics = 100% Icu, 415VAC, 50Hz [§] (Fixed mounted)

| Frame Size | Breaking Capacity @ 415VAC, 50Hz | Rated Current In (A) | 3 Pole | | 4 Pole | |
|------------|----------------------------------|----------------------|--------------------|------------|--------------------|------------|
| | | | Type | Unit LP* ₹ | Type | Unit LP* ₹ |
| 3VA27 | 55kA | 1250 | 3VA2712-5AD03-0AA0 | 191875.- | 3VA2712-5AD13-0AA0 | 252680.- |
| | | 1600 | 3VA2716-5AD03-0AA0 | 259595.- | 3VA2716-5AD13-0AA0 | 344430.- |
| | 85kA | 1250 | 3VA2712-6AD03-0AA0 | 208985.- | 3VA2712-6AD13-0AA0 | 276710.- |
| | | 1600 | 3VA2716-6AD03-0AA0 | 283625.- | 3VA2716-6AD13-0AA0 | 378655.- |

Accessories for 3VA27

| | Description | Type | Unit LP* ₹ | Std. pkg. (nos.) |
|--|--|-----------------------|---------------|------------------|
| | Auxiliary switch (AUX) | 3VW9011-0AG01 | 3340.- | 1 |
| | Alarm switch (TAS) | 3VW9011-0AH14 | 1650.- | 1 |
| | Shunt release (ST) | 110-120 V AC 50/60 HZ | 3VW9011-0AD05 | 7690.- |
| | | 220-240 V AC 50/60 HZ | 3VW9011-0AD07 | 7690.- |
| | Under voltage release (UVR) | 110-120 V AC 50/60 Hz | 3VW9011-0AE05 | 8325.- |
| | | 220-240 V AC 50/60 Hz | 3VW9011-0AE07 | 8325.- |
| | | 415-440 V AC 50/60 Hz | 3VW9011-0AE18 | 8325.- |
| | Extended Door Mounted Rotary Operator [^] (Standard - Gray) | 3VW9727-0FK21 | 7400.- | 1 |

[§] Toggle lever variants [^]3VA27 extended door mounted rotary operator (imported) with 8UD handles

All MCCBs are suitable for Front Terminals connection only.

Accessories can also be offered in factory fitted options

Please get in touch with nearest sales office for more Auxiliary combinations & choice of accessories

Std. Pkg. = 1 unit

* LP - List Price

SIEMENS

Ingenuity for life



NEW

SENTRON

Transfer control devices

3KC ATC6300

- Suitable for Utility to DG, Utility to Utility and DG to DG changeover in combination with motorized breakers
- Communication capable via expansion modules on Modbus TCP or MODBUS RTU
- Confirms to IEC 60947-6-1
- Plug IN DI/DO expansion modules for additional functionality
- Easy parameterization through Powerconfig
- Ingress protection up to IP65

www.siemens.com/switching-devices

ACB: SENTRON 3WL

- Conforms to IEC 60947-2
- Rated current - 630A to 6300A
- Accurate protection through microprocessor based trip unit
- Unique ready-to-close interlock for maximum safety
- Mechanical contact erosion indicator
- Fully rated upto 55°C
- Neutral 100% rated
- Integrated online test facility
- Unique CubicleBus technology
- Data communication and power management options



Standard breaking capacity $I_{cs} = 100\% I_{cu}$

Manually operated ACB

Microprocessor based trip unit ETU45B LSIN protection (Overload and short circuit protection)

| Frame Size | Rated Current In (A) | Type | Withdrawable design with Guide Frame | | Fixed mounted design | |
|------------|----------------------|-------------|--------------------------------------|-----------|----------------------|-----------|
| | | | Unit LP* ₹ | | Unit LP* ₹ | |
| | | | 3 Pole | 4 Pole | 3 Pole | 4 Pole |
| I | 630 | 3WL1106.... | 260010.- | 328410.- | 171710.- | 257510.- |
| | 800 | 3WL1108.... | 262860.- | 334880.- | 177000.- | 264085.- |
| | 1000 | 3WL1110.... | 269815.- | 358095.- | 194275.- | 278920.- |
| | 1250 | 3WL1112.... | 326780.- | 413240.- | 239025.- | 340565.- |
| | 1600 | 3WL1116.... | 360360.- | 454010.- | 252985.- | 366890.- |
| II | 2000 | 3WL1220.... | 389390.- | 515260.- | 262270.- | 382005.- |
| | 2500 | 3WL1225.... | 457590.- | 587510.- | 278820.- | 440400.- |
| | 3200 | 3WL1232.... | 593070.- | 814510.- | 397455.- | 668970.- |
| | 4000 | 3WL1240.... | 682365.- | 866385.- | 541135.- | 733215.- |
| III | 5000 | 3WL1350.... | 1072360.- | 1360570.- | 957300.- | 1256610.- |
| | 6300 | 3WL1363.... | 1441680.- | 1811650.- | 1249750.- | 1647930.- |

Prices of ACBs with other breaking capacities available on request.

L: Overload protection S: Delayed Short Circuit protection I: Short circuit protection
G: Ground fault protection N: Neutral protection

Note: Std. Pkg. = 1 unit

Add on options (Factory fitted)

| Microprocessor based Release | Add LP* ₹ |
|--|-----------|
| For ground fault protection | 18765.- |
| Protection function LSIN with Current display | 8965.- |
| Protection function LSING with Current display | 26895.- |

For prices of breakers with other types of microprocessor based trip unit, please consult your nearest sales office

| Motorised Mechanism | Add LP* ₹ |
|--|-----------|
| 208-240VAC, 220Vdc motor, closing coil & Shunt trip coil | 68935.- |
| 110-127VAC, 110Vdc motor, closing coil & Shunt trip coil | 68935.- |

Motorized mechanism with other control voltages are available on request

All ACBs are with Top Horizontal - Bottom Horizontal main terminals except 6300A & 4000A which have only Vertical-Vertical main termination.

Standard Accessories included for draw out type ACB (EDO/MDO) = Safety shutter, door sealing frame, ready to close signal switch, auxiliary contacts 2NO+ 2NC and trip unit transparent cover & trip signal switch (Not applicable for ACBs without trip unit).

Standard accessories included for fixed type ACB (EF/MF) = Door sealing frame, ready to close signal switch, auxiliary contacts 2NO+2NC and trip unit transparent cover & trip signal switch (Not applicable for ACBs without trip unit)

Neutral CT if required, shall be ordered separately. *Castell locks are to be ordered separately.

Please consult your nearest sales office for complete ordering code.

Add on options (Factory fitted)

| Description | Add LP* ₹ |
|---|--------------|
| Spring Charge Signal Switch | 5945.- |
| Door Interlock | 5040.- |
| Position Signal Switch for Withdrawable Breaker | 13040.- |
| Castell lock mounting kit* | 4245.- |
| Mutual Mechanical Interlocking (Bowden wire) | Upon Enquiry |
| Metering function Plus (voltage transformer must be ordered separately) | Upon Enquiry |
| Profibus communication connection (Com15 + BSS) | Upon Enquiry |
| Modbus communication connection (Com16 + BSS) | Upon Enquiry |

ACB for 1000/1150 V AC operation and DC application available on request

Accessories

| Description | AC 50/60Hz V | DC V | Type | Unit LP* ₹ |
|--|--------------|---------|--------------------|------------|
| Shunt Release or Closing Coil Suitable for continuous operation | - | 24 | 3WL9111-0AD01-0AA0 | 11525.- |
| | 110 | 110 | 3WL9111-0AD05-0AA0 | 11525.- |
| | 230 | 220 | 3WL9111-0AD06-0AA0 | 11525.- |
| Under Voltage Release (Instantaneous) | 380-415 | - | 3WL9111-0AE06-0AA0 | 12735.- |
| Motorised Operating Mechanism | - | 24-30 | 3WL9111-0AF01-0AA0 | 63700.- |
| | 110-127 | 110-125 | 3WL9111-0AF03-0AA0 | 63700.- |
| | 208-240 | 220-250 | 3WL9111-0AF04-0AA0 | 63700.- |
| Auxiliary Switch Block | 2NO+2NC | | 3WL9111-0AG01-0AA0 | 7055.- |
| Castell Lock | - | - | 3WX3663-6JEL_ \$ | 3535.- |

Please order necessary auxiliary terminal blocks as per circuit diagram while ordering accessories. Please consult your nearest sales office for type nos. and prices.

\$ Types of castell locks shall be of type A, B, C, D, AB, AC; _ to be replaced by the type no.

Std. Pkg. = 1 unit

* LP - List Price



SIEMENS

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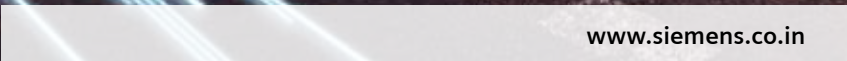
NEW



SENTRON 3WT^{Plus} Air Circuit Breakers

For Consistent, Safe and Reliable Power
Distribution

- Wide range with 630A-4000A current ratings
- 3P & 4P, Fixed & Withdrawable versions
- Rated operational voltage of 500V AC, 690V AC versions also available
- Terminal options: Horizontal, vertical and front connection
- Superior thermal ratings (no derating till 50°C)
- Standard Ready-to-close indicator with signaling switch
- Microprocessor based trip units with integrated current display



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ACB: 3WT

- Conforms to IEC 60947-2
- Rated current - 630A to 4000A
- $U_{imp} = 12kV$
- Accurate protection through microprocessor based trip unit
- Unique ready-to-close interlock for maximum safety
- Mechanical contact erosion indicator
- Fully rated upto 50°C
- Neutral 100% rated
- Integrated LCD display and Online test facility
- Also available for 690V AC operation



Standard breaking capacity, 500VAC $I_{cs} = 100\% I_{cu}$

Microprocessor based trip unit ETU37WT: LSING + Display

| Frame Size | Rated current In (A) | | Withdrawable design with Guide Frame ²⁾ | | | |
|------------|----------------------|-----|--|------------|--------------------|------------|
| | | | 3 Pole | Unit LP* ₹ | 4 Pole | Unit LP* ₹ |
| I | 630 | MDO | 3WT8061-6AA04-5AB2 | 191310.- | 3WT8065-6AA04-5AB2 | 248710.- |
| | | EDO | 3WT8061-6UA34-5AB2 | 247450.- | 3WT8065-6UA34-5AB2 | 304850.- |
| | ● 800 | MDO | 3WT8081-6AA04-5AB2 | 201900.- | 3WT8085-6AA04-5AB2 | 264305.- |
| | | EDO | 3WT8081-6UA34-5AB2 | 258040.- | 3WT8085-6UA34-5AB2 | 320445.- |
| | 1000 | MDO | 3WT8101-6AA04-5AB2 | 207380.- | 3WT8105-6AA04-5AB2 | 269005.- |
| | | EDO | 3WT8101-6UA34-5AB2 | 263520.- | 3WT8105-6UA34-5AB2 | 325145.- |
| | ● 1250 | MDO | 3WT8121-6AA04-5AB2 | 254730.- | 3WT8125-6AA04-5AB2 | 302820.- |
| | | EDO | 3WT8121-6UA34-5AB2 | 310870.- | 3WT8125-6UA34-5AB2 | 358960.- |
| | ● 1600 | MDO | 3WT8161-6AA04-5AB2 | 273390.- | 3WT8165-6AA04-5AB2 | 330950.- |
| | | EDO | 3WT8161-6UA34-5AB2 | 329530.- | 3WT8165-6UA34-5AB2 | 387090.- |
| II | ● 2000 | MDO | 3WT8202-6AA04-5AB2 | 343495.- | 3WT8206-6AA04-5AB2 | 422760.- |
| | | EDO | 3WT8202-6UA34-5AB2 | 399635.- | 3WT8206-6UA34-5AB2 | 478900.- |
| | ● 2500 | MDO | 3WT8252-6AA04-5AB2 | 389085.- | 3WT8256-6AA04-5AB2 | 494655.- |
| | | EDO | 3WT8252-6UA34-5AB2 | 445225.- | 3WT8256-6UA34-5AB2 | 550795.- |
| | ● 3200 | MDO | 3WT8322-6AA04-5AB2 | 498820.- | 3WT8326-6AA04-5AB2 | 612060.- |
| | | EDO | 3WT8322-6UA34-5AB2 | 554960.- | 3WT8326-6UA34-5AB2 | 668200.- |

Microprocessor based Trip Units

ETU35WT: LSI + Display



Reduce

2105.-



Reduce

2105.-

Microprocessor based trip unit ETU37WT: LSING + Display

| Frame Size | Rated current In (A) | | Fixed Mounted design ³⁾ | | | |
|------------|----------------------|----|------------------------------------|------------|--------------------|------------|
| | | | 3 Pole | Unit LP* ₹ | 4 Pole | Unit LP* ₹ |
| I | 630 | MF | 3WT8061-6AA00-0AA2 | 140585.- | 3WT8065-6AA00-0AA2 | 190205.- |
| | | EF | 3WT8061-6UA30-0AA2 | 196725.- | 3WT8065-6UA30-0AA2 | 246345.- |
| | ● 800 | MF | 3WT8081-6AA00-0AA2 | 151755.- | 3WT8085-6AA00-0AA2 | 208805.- |
| | | EF | 3WT8081-6UA30-0AA2 | 207895.- | 3WT8085-6UA30-0AA2 | 264945.- |
| | 1000 | MF | 3WT8101-6AA00-0AA2 | 154695.- | 3WT8105-6AA00-0AA2 | 221195.- |
| | | EF | 3WT8101-6UA30-0AA2 | 210835.- | 3WT8105-6UA30-0AA2 | 277335.- |
| | ● 1250 | MF | 3WT8121-6AA00-0AA2 | 210420.- | 3WT8125-6AA00-0AA2 | 248825.- |
| | | EF | 3WT8121-6UA30-0AA2 | 266560.- | 3WT8125-6UA30-0AA2 | 304965.- |
| | ● 1600 | MF | 3WT8161-6AA00-0AA2 | 214850.- | 3WT8165-6AA00-0AA2 | 266530.- |
| | | EF | 3WT8161-6UA30-0AA2 | 270990.- | 3WT8165-6UA30-0AA2 | 322670.- |
| II | ● 2000 | MF | 3WT8202-6AA00-0AA2 | 241630.- | 3WT8206-6AA00-0AA2 | 346860.- |
| | | EF | 3WT8202-6UA30-0AA2 | 297770.- | 3WT8206-6UA30-0AA2 | 403000.- |
| | ● 2500 | MF | 3WT8252-6AA00-0AA2 | 272745.- | 3WT8256-6AA00-0AA2 | 407245.- |
| | | EF | 3WT8252-6UA30-0AA2 | 328885.- | 3WT8256-6UA30-0AA2 | 463385.- |
| | ● 3200 | MF | 3WT8322-6AA00-0AA2 | 415275.- | 3WT8326-6AA00-0AA2 | 511430.- |
| | | EF | 3WT8322-6UA30-0AA2 | 471415.- | 3WT8326-6UA30-0AA2 | 567570.- |

Microprocessor based Trip Units

ETU35WT: LSI + Display



Reduce

2105.-



Reduce

2105.-

For Non-Automatic ACBs please deduct ₹ 4785/- from the LPs of the ACBs marked ●. For type nos. of Non-Automatic ACBs contact nearest sales office

L: Overload protection S: Delayed Short Circuit protection

I: Short circuit protection

G: Ground fault protection¹⁾

N: Neutral protection¹⁾

Standard accessories included for electrical ACB (EDO/EF) = Motor operated mechanism, with mechanical and electrical closing, motor and closing solenoid of 220-240V AC/DC and shunt release of 220-240V AC/DC.

¹⁾ Current transformer for N-conductor shall be ordered separately for 3P ACB with Earth Fault and Neutral Conductor Protection.

²⁾ Standard Accessories included for draw out type ACB (EDO/MDO) = Safety shutter, sealing cap over Off button, door sealing frame, trip unit transparent cover, trip signaling contact, ready to close signaling contact, auxiliary contacts 2NO+ 2NC

³⁾ Standard accessories included for fixed type ACB (EF/MF) = Door sealing frame, trip unit transparent cover, trip signaling contact, ready to close signaling contact, auxiliary contacts 2NO+2NC

Note: Please contact nearest sales office for information on prices of 4000A ACB. Additional LP for 690V AC ACB - ₹ 25,430 /-

For information on 3WT^{Plus} Air Circuit Breakers please contact your nearest Siemens sales office

Std. Pkg. = 1 unit

* LP - List Price

3WT Accessories

| Description | AC 50/60Hz V | DC V | Type | Unit LP* ₹ |
|--|---------------------------|---------|--------------------|------------|
| Motorized Operating Mechanism with Electrical closing | 110-127 | 110-125 | 3WT9831-1JH00 | 59675.- |
| | 220-240 | 220-250 | 3WT9831-1JK00 | 59675.- |
| Shunt Release or Closing Coil Suitable for continuous operation | - | 24 | 3WT9851-1JB00 | 4410.- |
| | 110-127 | 110-125 | 3WT9851-1JH00 | 4410.- |
| Under Voltage Release Instantaneous | 110-127 | 110-125 | 3WT9853-1JH00 | 5315.- |
| | 208-240 | 220-250 | 3WT9853-1JK00 | 5315.- |
| | 380-415 | - | 3WT9853-1JM00 | 5315.- |
| Auxiliary Terminal Block | Fixed circuit breaker | | 3WT9825-1JC00 | 3725.- |
| | Drawout circuit breaker | | 3WT9827-1JA00 | 3725.- |
| Auxiliary Switch Block | 2 Change over | | 3WT9816-1CE00 | 2110.- |
| Position Signal Switch for Withdrawable Breaker | 3NO+3NC, 2NO+2NC, 1NO+1NC | | 3WT9884-1JC10 | 11550.- |
| 5 digit operating cycle counter | | | 3WT9864-0CA00 | 8665.- |
| Blocking Device for preventing opening of cubicle door in service position: for Withdrawable Breaker Blocking Device for preventing opening of cubicle door in ON position: for Fixed Breaker | | | 3WT9867-1JC00 | 8250.- |
| | | | 3WT9867-2JA00 | 8250.- |
| Castell Lock Mounting Kit (to prevent unauthorized closing of the circuit breaker) | | | 3WT9863-6JE00 | 6300.- |
| Castell Lock | | | 3WX3663-6JEL_# | 3535.- |
| Door Sealing Frame (Also suitable for 3WL ACB) | | | 3WX3686-0JA00 | 2245.- |
| External Current Sensor for N-conductor (For 3P ACB with Neutral or E/F Protection) | Size I | | 3WL9111-0AA21-0AA0 | 17930.- |
| | Size II | | 3WL9111-0AA22-0AA0 | 20835.- |
| External Current Sensor for N-conductor with copper connectors (for 3P ACB with Neutral or E/F protection) | Size I | | 3WL9111-0AA31-0AA0 | 19675.- |
| | Size II | | 3WL9111-0AA32-0AA0 | 22585.- |

* Types of castell locks shall be of type A, B, C, D, AB, AC; _ to be replaced by the type no.

For fitment of motor/ shunt/ closing coil/ UV release/ addl. auxiliary contacts please order necessary Auxiliary terminal blocks as per circuit diagram.



Retrofit solution

| Description | Unit LP* ₹ |
|--|--------------|
| Ready to fit kit for upgrading from our old or other make conventional Air Circuit Breaker to modern SENTRON range of ACBs. <ul style="list-style-type: none"> • Minimum Shut Down Time • No change in the existing panel except door cut out • No change in the existing panel bus-bars • Proven Siemens Design • No over heating • Cost Effective & Quality Solution | Upon enquiry |

For more details write to us at: ics.india@siemens.com

SENTRON Auto transfer controllers

In accordance with IEC 60947-6-1, IEC standard for transfer switching equipments

| ATC 3100 | | ATC 6300 NEW | |
|---|---|---|--|
|  | Rated supply voltage up to 400V AC |  | Rated supply voltage up to 480V AC |
| | Trafo to Trafo and Trafo to generator configurations | | Trafo to Trafo, Trafo to generator and generator to generator configurations |
| | Generator control with output signal to start and stop generator | | Communication capable over MODBUS RTU / MODBUS TCP with expansion module |
| | Selectable operating modes and monitoring of fire alarm signal | | Easy parameterization through powerconfig |
| | Monitoring and display of status of normal and replacement supply | | Programmable DI/ DOs for enhanced flexibility |

| Description | Type | Unit LP* ₹ | Std. pkg. (nos.) |
|--|---------------|------------|------------------|
| ATC 3100 ⁵ | 3KC9000-8EL10 | 54990.- | 1 |
| Connection cable 3KC ATC3100 to MCCBs / ACBs | 3KC9000-8EL62 | 11120.- | 1 |
| ATC 6300 | 3KC9000-8TL40 | 82175.- | 1 |

⁵ It is advisable to use connection cable with 3KC ATC3100

Std. Pkg. = 1 unit

* LP - List Price

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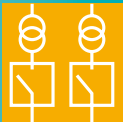
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SIMARIS software tools

Integrated and Safe planning of complete power distribution system

SIMARIS design



Power distribution network planning

- From medium-voltage in-feed down to final distribution
- Based on calculations as per IS/ IEC standards
- With automatic selection of appropriate switchgear & components

SIMARIS curves



Visualization & evaluation:

- Tripping characteristics
- Cut-off current characteristics
- Let-through energy curves

*Download FREE version from www.siemens.com/simaris

www.siemens.com/simaris

MCCB: SENTRON 3VT1...5

Type 2 Co-ordination available

- Rated current - 16A to 1600A
- 3 and 4 pole versions
- Breaking capacity from 25kA to 65kA
- Thermal magnetic and Microprocessor based trip unit
- Switch disconnecter for complete range
- Special purpose trip unit for motor & generator protection
- Under voltage & shunt release with multiple voltage settings
- Fixed mounted, plug-in and draw-out versions



3VT1, Thermal Magnetic trip unit, Icu = 25kA, 415 V AC, 50 Hz MCCB (Fixed Overload & Fixed Short Circuit Settings) for line protection

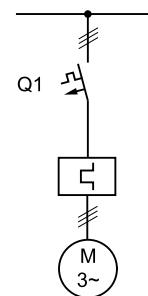
| Rated current I _n (A) | 3 Pole | | 4 Pole | | Std. pkg. (nos.) |
|----------------------------------|--------------------|------------|--------------------|------------|------------------|
| | Type | Unit LP* ₹ | Type | Unit LP* ₹ | |
| 40 | 3VT1704-2DA36-0AA0 | 7720.- | 3VT1704-2EA46-0AA0 | 10425.- | 1 |
| 63 | 3VT1706-2DA36-0AA0 | 7720.- | 3VT1706-2EA46-0AA0 | 10425.- | 1 |
| 80 | 3VT1708-2DA36-0AA0 | 7720.- | 3VT1708-2EA46-0AA0 | 10425.- | 1 |
| 100 | 3VT1710-2DA36-0AA0 | 7720.- | 3VT1710-2EA46-0AA0 | 10425.- | 1 |
| 125 | 3VT1712-2DA36-0AA0 | 10215.- | 3VT1712-2EA46-0AA0 | 14130.- | 1 |
| 160 | 3VT1716-2DA36-0AA0 | 13960.- | 3VT1716-2EA46-0AA0 | 17675.- | 1 |

3VT1, Thermal Magnetic trip unit, Icu = 25kA, 415 V AC, 50 Hz MCCB (Adjustable Overload & Adjustable Short Circuit Settings) for line protection

| Rated current I _n (A) | 3 Pole | | 4 Pole | | Std. pkg. (nos.) |
|----------------------------------|--------------------|------------|--------------------|------------|------------------|
| | Type | Unit LP* ₹ | Type | Unit LP* ₹ | |
| 16 | 3VT1701-2DC36-0AA0 | 8480.- | 3VT1701-2EC46-0AA0 | 12785.- | 1 |
| 25 | 3VT1792-2DC36-0AA0 | 8480.- | 3VT1792-2EC46-0AA0 | 12785.- | 1 |
| 32 | 3VT1703-2DC36-0AA0 | 8480.- | 3VT1703-2EC46-0AA0 | 12785.- | 1 |
| 40 | 3VT1704-2DC36-0AA0 | 8480.- | 3VT1704-2EC46-0AA0 | 12785.- | 1 |
| 63 | 3VT1706-2DC36-0AA0 | 8480.- | 3VT1706-2EC46-0AA0 | 12785.- | 1 |
| 80 | 3VT1708-2DC36-0AA0 | 8480.- | 3VT1708-2EC46-0AA0 | 12785.- | 1 |
| 100 | 3VT1710-2DC36-0AA0 | 8480.- | 3VT1710-2EC46-0AA0 | 12785.- | 1 |
| 125 | 3VT1712-2DC36-0AA0 | 10950.- | 3VT1712-2EC46-0AA0 | 14975.- | 1 |
| 160 | 3VT1716-2DC36-0AA0 | 15065.- | 3VT1716-2EC46-0AA0 | 19175.- | 1 |

3VT1, Thermal Magnetic trip unit for Motor Protection, Icu = 25kA, 415 V AC, 50 Hz MCCB (Adjustable Overload & Fixed Short Circuit Settings)

| Rated current I _n (A) | 3 Pole Type | Unit LP* ₹ | Std. pkg. (nos.) |
|----------------------------------|--------------------|------------|------------------|
| 16 | 3VT1701-2DM36-0AA0 | 8345.- | 1 |
| 20 | 3VT1702-2DM36-0AA0 | 8345.- | 1 |
| 25 | 3VT1792-2DM36-0AA0 | 8345.- | 1 |
| 32 | 3VT1703-2DM36-0AA0 | 8345.- | 1 |
| 40 | 3VT1704-2DM36-0AA0 | 8345.- | 1 |
| 50 | 3VT1705-2DM36-0AA0 | 8345.- | 1 |
| 63 | 3VT1706-2DM36-0AA0 | 8345.- | 1 |
| 80 | 3VT1708-2DM36-0AA0 | 8345.- | 1 |
| 100 | 3VT1710-2DM36-0AA0 | 8345.- | 1 |



Switch disconnecter

| Rated current I _n (A) | 3 Pole | | 4 Pole | | Std. pkg. (nos.) |
|----------------------------------|--------------------|------------|--------------------|------------|------------------|
| | Type | Unit LP* ₹ | Type | Unit LP* ₹ | |
| 160 | 3VT1716-2DE36-0AA0 | 11850.- | 3VT1716-2EE46-0AA0 | 14925.- | 1 |

Std. Pkg. = 1 unit

* LP - List Price

Main switching unit without Trip Unit (ETU)

To be ordered along with trip unit or switch disconnecter unit

| Frame Size | Breaking capacity (I _{cu} , 415V AC, 50Hz) | Rated current I _n (A) | 3 pole | | 4 pole | | Std. pkg. (nos.) |
|------------|---|----------------------------------|--------------------|------------|--------------------|------------|------------------|
| | | | Type | Unit LP* ₹ | Type | Unit LP* ₹ | |
| 3VT2 | 36 kA | 250 | 3VT2725-2AA36-0AA0 | 8210.- | 3VT2725-2AA46-0AA0 | 12760.- | 1 |
| 3VT3 | | 630 | 3VT3763-2AA36-0AA0 | 20045.- | 3VT3763-2AA46-0AA0 | 28235.- | 1 |
| 3VT2 | 65 kA | 250 | 3VT2725-3AA36-0AA0 | 10250.- | 3VT2725-3AA46-0AA0 | 15910.- | 1 |
| 3VT3 | | 630 | 3VT3763-3AA36-0AA0 | 22970.- | 3VT3763-3AA46-0AA0 | 30490.- | 1 |
| 3VT4 | | 1000 | 3VT4710-3AA30-0AA0 | 38110.- | | | 1 |
| 3VT5 | 55 kA | 1600 | 3VT5716-3AA30-0AA0 | 57170.- | | | 1 |



Microprocessor based Trip Unit (ETU)

To be ordered along with the MCCB Main switching unit

Trip unit for system protection ETU LP, LI function (Fixed Overload & Fixed Short Circuit, 3P / 4P)

| Frame size | Rated current I _n (A) | Type | Unit LP* ₹ | Std. pkg. (nos.) |
|------------|----------------------------------|---------------|------------|------------------|
| 3VT2 | 160 | 3VT9216-6AB00 | 7280.- | 1 |
| | 200 | 3VT9220-6AB00 | 10920.- | 1 |
| | 250 | 3VT9225-6AB00 | 17305.- | 1 |
| 3VT3 | 315 | 3VT9331-6AB00 | 14570.- | 1 |
| | 400 | 3VT9340-6AB00 | 15485.- | 1 |
| | 630 | 3VT9363-6AB00 | 19040.- | 1 |

Trip unit for Motor & Generator Protection ETU MP, LI function (Adj Overload & Adj Short Circuit Settings 3P / 4P)

| Frame size | Rated current I _n (A) | Type | Unit LP* ₹ | Std. pkg. (nos.) |
|------------|----------------------------------|---------------|------------|------------------|
| 3VT2 | 100 | 3VT9210-6AP00 | 8655.- | 1 |
| | 160 | 3VT9216-6AP00 | 9110.- | 1 |
| | 250 | 3VT9225-6AP00 | 19125.- | 1 |
| 3VT3 | 400 | 3VT9340-6AP00 | 19125.- | 1 |
| | 630 | 3VT9363-6AP00 | 23685.- | 1 |

Trip unit for system protection ETU DP, LI function (Adj Overload & Adj Short Circuit, 3P / 4P)^s

| Frame size | Rated current I _n (A) | Type | Unit LP* ₹ | Std. pkg. (nos.) |
|------------|----------------------------------|---------------|------------|------------------|
| 3VT2 | 100 | 3VT9210-6AC00 | 6430.- | 1 |
| | 160 | 3VT9216-6AC00 | 9020.- | 1 |
| | 250 | 3VT9225-6AC00 | 19075.- | 1 |
| 3VT3 | 250 | 3VT9325-6AC00 | 16480.- | 1 |
| | 400 | 3VT9340-6AC00 | 16480.- | 1 |
| | 630 | 3VT9363-6AC00 | 21675.- | 1 |
| 3VT4 | 800 | 3VT9480-6AC00 | 18040.- | 1 |
| | 1000 | 3VT9410-6AC00 | 56820.- | 1 |
| 3VT5 | 1250 | 3VT9512-6AC00 | 61540.- | 1 |
| | 1600 | 3VT9516-6AC00 | 104150.- | 1 |

Switch Disconnector Unit, 3P / 4P^s

| Frame size | Rated current I _n (A) | Type | Unit LP* ₹ | Std. pkg. (nos.) |
|------------|----------------------------------|---------------|------------|------------------|
| 3VT2 | 250 | 3VT9225-6DT00 | 4560.- | 1 |
| 3VT3 | 630 | 3VT9363-6DT00 | 7280.- | 1 |
| 3VT4 | 1000 | 3VT9410-6DT00 | 25825.- | 1 |
| 3VT5 | 1600 | 3VT9516-6DT00 | 34435.- | 1 |

Benefits of interchangeable trip units

- Suitable for various applications
- Easy upgradation at site

Note: The ordering of the microprocessor based MCCB would involve

Main switching unit + Trip unit



Main switching unit



Trip unit




Complete unit

\$: Please note 3VT4 & 3VT5 trip unit prices are only for 3 pole

Std. Pkg. = 1 unit

* LP - List Price

Accessories for 3VT1...5

| Accessory | | 3VT1 Type | Unit LP* ₹ | 3VT2 Type | Unit LP* ₹ | 3VT3 Type | Unit LP* ₹ | 3VT4/5 Type | Unit LP* ₹ | |
|--|---|--|--------------------|----------------------------|--------------------|----------------------------|--------------------|----------------------------|---------------|---------|
| Auxiliary Switch |  | 3VT9100-2AB10 (Changeover Switch) | 1325.- | 3VT9300-2AF10 (1NO+1NC) | 2055.- | 3VT9300-2AF10 (1NO+1NC) | 2055.- | 3VT9500-2AF10 (2NO+2NC) | 3410.- | |
| | | | | 3VT9300-2AC10 (1NO) | 1035.- | 3VT9300-2AC10 (1NO) | 1035.- | | | |
| Alarm Switch |  | 3VT9100-2AH10 (Changeover Switch) | 1325.- | 3VT9300-2AD10 (1NC) | 1035.- | 3VT9300-2AD10 (1NC) | 1035.- | | | |
| Shunt Release |  | AC 230V/ DC 220V | 3VT9100-1SE00@ | 1795.- | 3VT9300-1SE00\$ | 2325.- | 3VT9300-1SE00\$ | 2325.- | 3VT9500-1SJ00 | 2570.- |
| | | AC/DC 110V | 3VT9100-1SD00 | 1795.- | 3VT9300-1SD00 | 2325.- | 3VT9300-1SD00 | 2325.- | 3VT9500-1SH00 | 2570.- |
| Under-voltage Release |  | AC 230V/ DC 220V | 3VT9100-1UE00^ | 2210.- | 3VT9300-1UE00\$ | 2820.- | 3VT9300-1UE00\$ | 2820.- | 3VT9500-1UJ00 | 2790.- |
| Spreader Links ⁸ |  | one set = 3 links (3 pole) | 3VT9100-4ED30 | 610.- | 3VT9200-4ED30-ORCO | 775.- | 3VT9300-4ED30-ORCO | 1045.- | | |
| |  | 4 pole spreaders (one set = 4 links + 3 phase barriers) | 3VT9100-4ED40-ORCO | 790.- | 3VT9200-4ED40-ORCO | 1035.- | 3VT9300-4ED40-ORCO | 1350.- | | |
| Motorised Drive |  | AC 230 V/ DC 220 V | 3VT9100-3ME00# | 7815.- | 3VT9200-3MQ00 | 25590.- | 3VT9300-3MQ00 | 26595.- | 3VT9500-3MQ00 | 49860.- |
| | | Extension cable ³ for motorized operating mechanism, 12 wires, length 60 cm | 3VT9100-3MF00 | 1470.- | 3VT9300-3MF00 | 1470.- | 3VT9300-3MF00 | 1470.- | | |
| Phase Barriers |  | One set = 2 Pcs. | 3VT9100-8CE30 | 555.- | 3VT9300-8CE30 | 775.- | 3VT9300-8CE30 | 775.- | 3VT9500-8CE30 | 855.- |
| Panel door mounted rotary operating handles ² |  | 1 set ** | 3VT9100-3HQ00 | 1760.- | 3VT9200-3HQ00 | 2230.- | 3VT9300-3HQ00 | 2405.- | 3VT9500-3HQ00 | 5110.- |
| Castell Interlock Kit ¹ | | 1 set (1 lock + 1 key) | 8UC60700YQ.. | 3975.- | 8UC60701YQ.. | 3975.- | 8UC60701YQ.. | 3975.- | 8UC60702YQ.. | 4080.- |

| Description | Type | Unit LP* ₹ |
|------------------------------|---------------|------------|
| Earth fault monitoring relay | 7UG0861-1BU20 | 4145.- |
| CBCT for EFR: 160 frame | 7UG09910 | 1485.- |
| Suitable for 3VT1 | 7UG09911 | 1690.- |
| CBCT for EFR: 250 frame | 7UG09912 | 1795.- |
| Suitable for 3VT2 | 7UG09913 | 2115.- |
| CBCT for EFR: 630 frame | 7UG09914 | 2645.- |
| Suitable for 3VT3 | 7UG09915 | 2855.- |

Note: Order 1 no of shunt trip release for MCCB separately along with earth fault relay

Notes:

- The 11th and 12th place of the type reference will indicate the alphabet type of lock & key. Combinations available are A, B, C, D, A-, -B, -C, AB, AC. 11th place will be A, B, C, D for castell lock type A, B, C, D respectively. 11th and 12 place will be A0, 0B, 0C, AB, AC for castell lock type A-, -B, -C, AB, AC respectively.
- For direct & lateral mounted handles please contact your nearest Sales Office.
- Pre wired motorised drive cable to be ordered separately along with the motorised drive

- # Lateral Motorised Drive
- @ Also suitable for 400V AC
- \$ Also suitable for 400/500V AC
- ^ Not suitable for 220V DC, suitable for 400V AC
- & For special version spreader links with higher phase to phase clearance please contact your nearest Sales Office**
- ** 1 set contains rotary mechanism, coupler, shaft and door drive

Std. Pkg. = 1 unit
* LP - List Price

A large, industrial-grade Siemens SIVACON switchboard is shown in a studio setting. The unit is tall and modular, with a dark grey frame and light grey panels. The word 'SIVACON' is printed vertically in large white letters on the left side. The top of the unit features several 'SIEMENS SIVACON' logos and labels for different sections, such as '+NA01', '+NA02', and '+NA03'. The background is a plain, light blue wall.

SIEMENS

Ingenuity for life

SIVACON

When it comes to safety, nothing beats SIVACON

**SIVACON S8 - the only most economical
switchboard with true closed door trolley
disconnection**

The SIVACON S8 low-voltage power distribution switchboard sets new standards failproof safety & service. In conformance to the IEC 61439-1&2, SIVACON S8 guarantees high performance, maximum safety and compact modularity.

These switchboards help industries and buildings significantly reduce investment costs and space.

Benefits

- Superior safety, performance reliability and unmatched space saving
- SIVACON Assurance - Maintenance-free for life

Features

- The only 'Arc Free' switchboards in the world
- SIVACON patented double front PCCs upto 7000A, 150kA
- Patented holeless technology for connections
- Patented ventilation technique
- Combination of fixed, plugin & drawout feeders in the same vertical
- State-of-the-art technology, innovation in design and unmatched performance

SIVACON

Technology
Partner

SIEMENS

www.siemens.com/sivacon-details

MCCB: SENTRON 3VL

- Upto 16A to 1600A
- 3 pole & 4 pole versions
- Thermal magnetic and Microprocessor based trip unit



3VL MCCB, Thermal-magnetic trip unit (fixed overload and fixed short circuit), Icu = 55kA, 415V AC, 50 Hz

| Frame size | Rated current I _n (A) | 3 pole | | 4 pole | | Std. pkg. (nos.) |
|-------------------------|----------------------------------|--------------------|------------|--------------------|------------|------------------|
| | | Type | Unit LP* ₹ | Type | Unit LP* ₹ | |
| VL160X VL160X = 3VL1 | 16 | 3VL1796-1DA36-0AA0 | 12495.- | 3VL1796-1EH46-0AA0 | 16305.- | 1 |
| | 20 | 3VL1702-1DA36-0AA0 | 12495.- | 3VL1702-1EH46-0AA0 | 16305.- | 1 |
| | 32 | 3VL1703-1DA36-0AA0 | 12495.- | 3VL1703-1EH46-0AA0 | 16305.- | 1 |
| | 63 | 3VL1706-1DA36-0AA0 | 12495.- | 3VL1706-1EH46-0AA0 | 16305.- | 1 |
| | 100 | 3VL1710-1DA36-0AA0 | 13070.- | 3VL1710-1EH46-0AA0 | 17035.- | 1 |
| | 125 | 3VL1712-1DA36-0AA0 | 18375.- | 3VL1712-1EH46-0AA0 | 21495.- | 1 |
| | 160 | 3VL1716-1DA36-0AA0 | 22880.- | 3VL1716-1EH46-0AA0 | 27210.- | 1 |

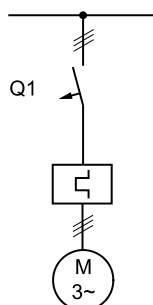
3VL MCCB, Thermal-magnetic trip unit (adjustable overload and short circuit), Icu = 55kA, 415V AC, 50 Hz

| Frame size | Rated current I _n (A) | 3 pole | | 4 pole | | Std. pkg. (nos.) |
|---|----------------------------------|--------------------|------------|---------------------|------------|------------------|
| | | Type | Unit LP* ₹ | Type | Unit LP* ₹ | |
| VL160X / VL160 VL160X = 3VL1 VL160 = 3VL2 | 20 | 3VL1702-1DD36-0AA0 | 17840.- | 3VL1702-1EA46-0AA0# | 23790.- | 1 |
| | 32 | 3VL1703-1DD36-0AA0 | 17840.- | 3VL1703-1EA46-0AA0# | 23790.- | 1 |
| | 63 | 3VL1706-1DD36-0AA0 | 17840.- | 3VL2706-1EM46-0AA0 | 23790.- | 1 |
| | 100 | 3VL1710-1DD36-0AA0 | 18660.- | 3VL2710-1EM46-0AA0 | 24880.- | 1 |
| | 125 | 3VL1712-1DD36-0AA0 | 21320.- | 3VL2712-1EM46-0AA0 | 27095.- | 1 |
| | 160 | 3VL1716-1DD36-0AA0 | 26770.- | 3VL2716-1EM46-0AA0 | 35040.- | 1 |
| VL 250 | 200 | 3VL3720-1DC36-0AA0 | 37390.- | 3VL3720-1EM46-0AA0 | 52170.- | 1 |
| | 250 | 3VL3725-1DC36-0AA0 | 40560.- | 3VL3725-1EM46-0AA0 | 52170.- | 1 |
| VL 400 | 315 | 3VL4731-1DC36-0AA0 | 53560.- | 3VL4731-1EM46-0AA0 | 65360.- | 1 |
| | 400 | 3VL4740-1DC36-0AA0 | 53560.- | 3VL4740-1EM46-0AA0 | 65360.- | 1 |
| VL 630 | 500 | 3VL5750-1DC36-0AA0 | 61305.- | 3VL5750-1EM46-0AA0 | 72900.- | 1 |
| | 630 | 3VL5763-1DC36-0AA0 | 61305.- | 3VL5763-1EM46-0AA0 | 72900.- | 1 |

3VL MCCB, Thermal-magnetic trip unit (adjustable overload and short circuit), Icu = 70kA, 415V AC, 50 Hz

| Frame size | Rated current I _n (A) | 3 pole | | 4 pole | | Std. pkg. (nos.) |
|---|----------------------------------|--------------------|------------|---------------------|------------|------------------|
| | | Type | Unit LP* ₹ | Type | Unit LP* ₹ | |
| VL160X / VL160 VL160X = 3VL1 VL160 = 3VL2 | 20 | 3VL1702-2DD36-0AA0 | 28570.- | 3VL1702-2EA46-0AA0# | 36450.- | 1 |
| | 32 | 3VL1703-2DD36-0AA0 | 28570.- | 3VL1703-2EA46-0AA0# | 36450.- | 1 |
| | 63 | 3VL1706-2DD36-0AA0 | 28570.- | 3VL2706-2EM46-0AA0 | 36450.- | 1 |
| | 100 | 3VL1710-2DD36-0AA0 | 28570.- | 3VL2710-2EM46-0AA0 | 36450.- | 1 |
| | 125 | 3VL1712-2DD36-0AA0 | 40720.- | 3VL2712-2EM46-0AA0 | 53040.- | 1 |
| | 160 | 3VL1716-2DD36-0AA0 | 42495.- | 3VL2716-2EM46-0AA0 | 54470.- | 1 |
| VL 250 | 200 | 3VL3720-2DC36-0AA0 | 46065.- | 3VL3720-2EM46-0AA0 | 62665.- | 1 |
| | 250 | 3VL3725-2DC36-0AA0 | 50135.- | 3VL3725-2EM46-0AA0 | 62665.- | 1 |
| VL 400 | 315 | 3VL4731-2DC36-0AA0 | 53820.- | 3VL4731-2EM46-0AA0 | 69965.- | 1 |
| | 400 | 3VL4740-2DC36-0AA0 | 53820.- | 3VL4740-2EM46-0AA0 | 69965.- | 1 |
| VL 630 | 500 | 3VL5750-2DC36-0AA0 | 67375.- | 3VL5750-2EM46-0AA0 | 88280.- | 1 |
| | 630 | 3VL5763-2DC36-0AA0 | 67375.- | 3VL5763-2EM46-0AA0 | 88280.- | 1 |

3VL MCCB for Motor protection (Magnetic trip unit, 3 Pole)



| Frame size | Rated current I _n (A) | standard breaking capacity (55 kA, 415V, 50 Hz) | | high breaking capacity (70 kA, 415V, 50 Hz) | | Std. pkg. (nos.) |
|------------|----------------------------------|---|------------|---|------------|------------------|
| | | Type | Unit LP* ₹ | Type | Unit LP* ₹ | |
| VL160 | 63 A | 3VL2706-1DK36-0AA0 | 21545.- | 3VL2706-2DK36-0AA0 | 26860.- | 1 |
| | 100 A | 3VL2710-1DK36-0AA0 | 21545.- | 3VL2710-2DK36-0AA0 | 26860.- | 1 |
| | 160 A | 3VL2716-1DK36-0AA0 | 32465.- | 3VL2716-2DK36-0AA0 | 41655.- | 1 |
| VL250 | 250 A | 3VL3725-1DK36-0AA0 | 43660.- | 3VL3725-2DK36-0AA0 | 49565.- | 1 |
| VL400 | 315 A | 3VL4731-1DK36-0AA0 | 51220.- | 3VL4731-2DK36-0AA0 | 53445.- | 1 |
| VL630 | 500 A | 3VL5750-1DK36-0AA0 | 58985.- | 3VL5750-2DK36-0AA0 | 61615.- | 1 |

Fixed overload & fixed short circuit with neutral protection

Std. Pkg. = 1 unit

* LP - List Price

3VL MCCB, ETU10, LI, Microprocessor based trip unit, Icu = 55kA, 415V AC, 50Hz

| Frame size | Rated current (A) | 3 pole | | 4 pole | | Std. pkg. (nos.) |
|------------|-------------------|--------------------|------------|--------------------|------------|------------------|
| | | Type | Unit LP* ₹ | Type | Unit LP* ₹ | |
| VL 160 | 63 | 3VL2706-1SB36-0AA0 | 32995.- | 3VL2706-1TA46-0AA0 | 43025.- | 1 |
| | 100 | 3VL2710-1SB36-0AA0 | 32995.- | 3VL2710-1TA46-0AA0 | 43025.- | 1 |
| | 160 | 3VL2716-1SB36-0AA0 | 41875.- | 3VL2716-1TA46-0AA0 | 57800.- | 1 |
| VL 250 | 200 | 3VL3720-1SB36-0AA0 | 55740.- | 3VL3720-1TA46-0AA0 | 71575.- | 1 |
| | 250 | 3VL3725-1SB36-0AA0 | 55740.- | 3VL3725-1TA46-0AA0 | 71575.- | 1 |
| VL 400 | 315 | 3VL4731-1SB36-0AA0 | 60385.- | 3VL4731-1TA46-0AA0 | 79930.- | 1 |
| | 400 | 3VL4740-1SB36-0AA0 | 60385.- | 3VL4740-1TA46-0AA0 | 79930.- | 1 |
| VL 630 | 630 | 3VL5763-1SB36-0AA0 | 67865.- | 3VL5763-1TA46-0AA0 | 107445.- | 1 |
| VL 800 | 800 | 3VL6780-1SB36-0AA0 | 95540.- | 3VL6780-1TA46-0AA0 | 136045.- | 1 |
| VL 1250 | 1000 | 3VL7710-1SB36-0AA0 | 130845.- | 3VL7710-1TA46-0AA0 | 200890.- | 1 |
| | 1250 | 3VL7712-1SB36-0AA0 | 167870.- | 3VL7712-1TA46-0AA0 | 257610.- | 1 |
| VL 1600 | 1600 | 3VL8716-1SB30-0AA0 | 222870.- | 3VL8716-1TA40-0AA0 | 302460.- | 1 |

3VL MCCB, ETU10, LI, Microprocessor based trip unit, Icu = 70kA, 415V AC, 50 Hz

| Frame size | Rated current (A) | 3 pole | | 4 pole | | Std. pkg. (nos.) |
|------------|-------------------|--------------------|------------|--------------------|------------|------------------|
| | | Type | Unit LP* ₹ | Type | Unit LP* ₹ | |
| VL 160 | 63 | 3VL2706-2SB36-0AA0 | 39585.- | 3VL2706-2TA46-0AA0 | 49040.- | 1 |
| | 100 | 3VL2710-2SB36-0AA0 | 39585.- | 3VL2710-2TA46-0AA0 | 49040.- | 1 |
| | 160 | 3VL2716-2SB36-0AA0 | 51910.- | 3VL2716-2TA46-0AA0 | 66265.- | 1 |
| VL 250 | 200 | 3VL3720-2SB36-0AA0 | 57645.- | 3VL3720-2TA46-0AA0 | 83950.- | 1 |
| | 250 | 3VL3725-2SB36-0AA0 | 57645.- | 3VL3725-2TA46-0AA0 | 83950.- | 1 |
| VL 400 | 315 | 3VL4731-2SB36-0AA0 | 63225.- | 3VL4731-2TA46-0AA0 | 96370.- | 1 |
| | 400 | 3VL4740-2SB36-0AA0 | 63225.- | 3VL4740-2TA46-0AA0 | 96370.- | 1 |
| VL 630 | 630 | 3VL5763-2SB36-0AA0 | 75155.- | 3VL5763-2TA46-0AA0 | 119630.- | 1 |
| VL 800 | 800 | 3VL6780-2SB36-0AA0 | 113470.- | 3VL6780-2TA46-0AA0 | 149065.- | 1 |
| VL 1250 | 1000 | 3VL7710-2SB36-0AA0 | 173680.- | 3VL7710-2TA46-0AA0 | 256155.- | 1 |
| | 1250 | 3VL7712-2SB36-0AA0 | 205500.- | 3VL7712-2TA46-0AA0 | 287995.- | 1 |
| VL 1600 | 1600 | 3VL8716-2SB30-0AA0 | 248935.- | 3VL8716-2TA40-0AA0 | 304605.- | 1 |

3VL MCCB, ETU12, LIG, Microprocessor based trip unit, Icu = 55kA, 415V AC, 50Hz

| Frame size | Rated current (A) | 3 pole | | 4 pole | | Std. pkg. (nos.) |
|------------|-------------------|--------------------|------------|--------------------|------------|------------------|
| | | Type | Unit LP* ₹ | Type | Unit LP* ₹ | |
| VL 160 | 63 | 3VL2706-1SL36-0AA0 | 39835.- | 3VL2706-1TN46-0AA0 | 50535.- | 1 |
| | 100 | 3VL2710-1SL36-0AA0 | 39835.- | 3VL2710-1TN46-0AA0 | 50535.- | 1 |
| | 160 | 3VL2716-1SL36-0AA0 | 49065.- | 3VL2716-1TN46-0AA0 | 65850.- | 1 |
| VL 250 | 200 | 3VL3720-1SL36-0AA0 | 67635.- | 3VL3720-1TN46-0AA0 | 84710.- | 1 |
| | 250 | 3VL3725-1SL36-0AA0 | 67635.- | 3VL3725-1TN46-0AA0 | 84710.- | 1 |
| VL 400 | 315 | 3VL4731-1SL36-0AA0 | 72985.- | 3VL4731-1TN46-0AA0 | 95190.- | 1 |
| | 400 | 3VL4740-1SL36-0AA0 | 72985.- | 3VL4740-1TN46-0AA0 | 95190.- | 1 |
| VL 630 | 630 | 3VL5763-1SL36-0AA0 | 79230.- | 3VL5763-1TN46-0AA0 | 118075.- | 1 |
| VL 800 | 800 | 3VL6780-1SL36-0AA0 | 108460.- | 3VL6780-1TN46-0AA0 | 148340.- | 1 |
| VL 1250 | 1000 | 3VL7710-1SL36-0AA0 | 143520.- | 3VL7710-1TN46-0AA0 | 213510.- | 1 |
| | 1250 | 3VL7712-1SL36-0AA0 | 179210.- | 3VL7712-1TN46-0AA0 | 268175.- | 1 |
| VL 1600 | 1600 | 3VL8716-1SL30-0AA0 | 232210.- | 3VL8716-1TN40-0AA0 | 311415.- | 1 |

3VL MCCB, ETU12, LIG Microprocessor based trip unit, Icu = 70kA, 415V AC, 50Hz

| Frame size | Rated current (A) | 3 pole | | 4 pole | | Std. pkg. (nos.) |
|------------|-------------------|--------------------|------------|--------------------|------------|------------------|
| | | Type | Unit LP* ₹ | Type | Unit LP* ₹ | |
| VL 160 | 63 | 3VL2706-2SL36-0AA0 | 42435.- | 3VL2706-2TN46-0AA0 | 56775.- | 1 |
| | 100 | 3VL2710-2SL36-0AA0 | 46680.- | 3VL2710-2TN46-0AA0 | 56775.- | 1 |
| | 160 | 3VL2716-2SL36-0AA0 | 59480.- | 3VL2716-2TN46-0AA0 | 86775.- | 1 |
| VL 250 | 200 | 3VL3720-2SL36-0AA0 | 69640.- | 3VL3720-2TN46-0AA0 | 97715.- | 1 |
| | 250 | 3VL3725-2SL36-0AA0 | 69640.- | 3VL3725-2TN46-0AA0 | 97715.- | 1 |
| VL 400 | 315 | 3VL4731-2SL36-0AA0 | 77585.- | 3VL4731-2TN46-0AA0 | 111820.- | 1 |
| | 400 | 3VL4740-2SL36-0AA0 | 77585.- | 3VL4740-2TN46-0AA0 | 111820.- | 1 |
| VL 630 | 630 | 3VL5763-2SL36-0AA0 | 86255.- | 3VL5763-2TN46-0AA0 | 129840.- | 1 |
| VL 800 | 800 | 3VL6780-2SL36-0AA0 | 125760.- | 3VL6780-2TN46-0AA0 | 160885.- | 1 |
| VL 1250 | 1000 | 3VL7710-2SL36-0AA0 | 184795.- | 3VL7710-2TN46-0AA0 | 267580.- | 1 |
| | 1250 | 3VL7712-2SL36-0AA0 | 215465.- | 3VL7712-2TN46-0AA0 | 297465.- | 1 |
| VL 1600 | 1600 | 3VL8716-2SL30-0AA0 | 257295.- | 3VL8716-2TN40-0AA0 | 328125.- | 1 |

L: Overload protection

I: Short circuit protection

G: Ground fault protection

Std. Pkg. = 1 unit

* LP - List Price

3VL MCCB, Magnetic trip unit (for short circuit protection), Icu = 55kA, 415V AC, 50Hz

| Frame size | Rated current I _n (A) | 3 pole | | 4 pole | | Std. pkg. (nos.) |
|------------|----------------------------------|--------------------|------------|--------------------|------------|------------------|
| | | Type | Unit LP* ₹ | Type | Unit LP* ₹ | |
| VL400 | 400 | 3VL4740-1DE36-0AA0 | 43685.- | 3VL4740-1EE46-0AA0 | 53445.- | 1 |
| VL630 | 630 | 3VL5763-1DE36-0AA0 | 48890.- | 3VL5763-1EE46-0AA0 | 56760.- | 1 |
| VL800 | 800 | 3VL6780-1DE36-0AA0 | 77785.- | 3VL6780-1EE46-0AA0 | 93355.- | 1 |
| VL1250 | 1250 | 3VL7712-1DE36-0AA0 | 129680.- | 3VL7712-1EE46-0AA0 | 197415.- | 1 |
| VL1600 | 1600 | 3VL8716-1DE30-0AA0 | 207495.- | 3VL8716-1EE40-0AA0 | 262505.- | 1 |

3VL MCCB, Magnetic trip unit (for short circuit protection), Icu = 70kA, 415V AC, 50Hz

| Frame size | Rated current I _n (A) | 3 pole | | 4 pole | | Std. pkg. (nos.) |
|------------|----------------------------------|--------------------|------------|--------------------|------------|------------------|
| | | Type | Unit LP* ₹ | Type | Unit LP* ₹ | |
| VL400 | 400 | 3VL4740-2DE36-0AA0 | 49515.- | 3VL4740-2EE46-0AA0 | 59885.- | 1 |
| VL630 | 630 | 3VL5763-2DE36-0AA0 | 56585.- | 3VL5763-2EE46-0AA0 | 69470.- | 1 |
| VL800 | 800 | 3VL6780-2DE36-0AA0 | 93530.- | 3VL6780-2EE46-0AA0 | 124810.- | 1 |
| VL1250 | 1250 | 3VL7712-2DE36-0AA0 | 169270.- | 3VL7712-2EE46-0AA0 | 210640.- | 1 |
| VL1600 | 1600 | 3VL8716-2DE30-0AA0 | 214560.- | 3VL8716-2EE40-0AA0 | 270370.- | 1 |

Accessories for 3VL

| Frame | VL 160 X / VL 160 / VL 250 / VL 400 | | VL 630 / VL 800 / VL 1250 / VL 1600 | | Std. pkg. (nos.) |
|---|--|---------|--|---------|------------------|
| | Accessory | Type | Unit LP* ₹ | Type | |
| Auxiliary switch | 3VL9400-2AB00 (1NO + 1NC) | 2040.- | 3VL9800-2AC00 (2NO + 2NC) | 3745.- | 1 |
| Auxiliary switch + Alarm switch | 3VL9400-2AD00 (1NO + 1NC & 1NO) | 3140.- | 3VL9800-2AE00 (1NO + 1NC & 1NO) | 4355.- | 1 |
| Under voltage release 110 V AC 220 - 250 V AC 415 V AC 110 V DC | 3VL9400-1UG00 | 4805.- | 3VL9800-1UG00 | 5695.- | 1 |
| | 3VL9400-1UH00 | 4805.- | 3VL9800-1UH00 | 5695.- | 1 |
| | 3VL9400-1UJ00 | 4805.- | 3VL9800-1UJ00 | 5695.- | 1 |
| | 3VL9400-1UR00 | 4805.- | 3VL9800-1UR00 | 5695.- | 1 |
| Shunt release 24 V DC 110 - 127 V DC 110 - 127 V AC 208 - 277 V AC | 3VL9400-1SC00 | 3615.- | 3VL9800-1SC00 | 4815.- | 1 |
| | 3VL9400-1SK00 | 3615.- | 3VL9800-1SK00 | 4815.- | 1 |
| | 3VL9400-1SR00 | 3615.- | 3VL9800-1SR00 | 4815.- | 1 |
| | 3VL9400-1ST00 | 3615.- | 3VL9800-1ST00 | 4815.- | 1 |
| Rotary drive kit (including 8UC handle with door interlock defeat & padlocking facility) | 3VL9.00-3HQ00 | | 3VL9600-3HQ00 (VL630-VL800) | 4720.- | 1 |
| | 1 (For VL 160X) | 2885.- | | | |
| | 3 (For VL 160/250) | 2920.- | 3VL9800-3HF05 (VL1250-VL1600) | 10725.- | 1 |
| Castell interlock kit* (To interlock two or more circuit breakers) | 8UC6070-1YQ.. (For VL160X/VL160/VL250) | 3975.- | 8UC6070-2YQ.. (For VL630/VL800) | 4080.- | 1 |
| | 8UC6070-2YQ.. (For VL400) | 4080.- | | | |
| Motorised drive (Motorised operator-MO) 230-250V AC/DC | 3VL9.00-3ME10 | | Factory fitted assembly with MCCB for VL630/800 with Z option Z-M23 (MCCB prices additional) | 29980.- | 1 |
| | 1 (For VL160X) | 20830.- | | | |
| | 3 (For VL160/250) | 22500.- | | | |
| Motorised drive (Stored Energy Operator -SEO) 220-250V AC/DC | 3VL9.00-3MQ00 | | 3VL9.00-3MQ00 | | |
| | 3 (For VL160X/VL160/VL250) | 34615.- | 6 (For VL630-VL800) | 58520.- | 1 |
| | 4 (For VL 400) | 46565.- | 8 (For VL1250-VL1600) | 68705.- | 1 |
| Spreader links (with phase barriers) | 3VL9216-4ED30 (VL160X/VL160-3P) | 1220.- | 3VL9500-4ED30 (VL630-3P) | 2145.- | 1 |
| | 3VL9216-4ED40 (VL160X/VL160-4P) | 1490.- | 3VL9500-4ED40 ⁵⁵ (VL630-4P) | 2375.- | 1 |
| | 3VL9300-4ED30 (VL250-3P) | 1620.- | 3VL9600-4ED30 (VL800-3P) | 2610.- | 1 |
| | 3VL9300-4ED40 (VL250-4P) | 2085.- | 3VL9600-4ED40 ⁵⁵ (VL800-4P) | 2955.- | 1 |
| | 3VL9400-4ED30 (VL400-3P) | 1960.- | NA (for VL1250 / VL1600) | | |
| | 3VL9400-4ED40 (VL400-4P) | 2235.- | | | |

Note: # The 11th and 12th place of the type reference will indicate the alphabet type of lock & key. Combinations available are A, B, C, D, A-, -B, -C, AB, AC. 11th place will be A, B, C, D for castell lock type A, B, C, D respectively. 11th and 12 place will be A0, OB, OC, AB, AC for castell lock type A-, -B, -C, AB, AC respectively

Spreader link 1 set = 3 nos. links and 2 nos. phase barriers in case of 3 pole and 5 nos. links and 3 nos. phase barriers in case of 4 pole, ⁵⁵ - 4 nos. links and 3 nos. phase barriers in case of 4 pole.

NA - Not Available

Std. Pkg. = 1 unit

* LP - List Price

SIEMENS

Ingenuity for life



Power monitoring made simple

Measuring devices and software from the
SENTRON portfolio

[siemens.com/powermonitoring](https://www.siemens.com/powermonitoring)

Energy Management System

(A) Hardware Solutions

Complete Range of Power Monitoring Devices for LV and HV Networks



SMART 7KT: Smart metering solutions for load feeders

- Integrated communication facility (MODBUS RTU)
- Inbuilt DI
- Ingress protection upto IP65

PAC 3100: Cost Effective Solution for digital measurement

- Display of instantaneous, maximum and minimum values
- Measurement of Active & Reactive Power (Import / Export / Net)
- CT polarity reversal correction from the device

PAC 3200: Specialist solution for precise energy data capture

- Dual Metering function
- Integrated ethernet interface for MODBUS TCP communication
- Optional communication over PROFIBUS DP and PROFINET

PAC 4200: Professional solution for communication and monitoring

- Integrated gateway functionality for MODBUS RTU devices
- Reliable event recording with battery backup
- Sliding window for maximum demand

| Description | Type | Unit LP* ₹ |
|-------------------------------|---------|------------|
| SMART 7KT Multifunction Meter | 7KT0310 | 13100.- |

| Description | Type | Unit LP* ₹ |
|--|---------------------------------|--------------|
| PAC 3100 with integrated RS 485 port for MODBUS RTU Class 1 accuracy, screw terminals AC/DC wide voltage power supply 110...240V AC ±10%, 50/60Hz, 110...250V DC ±10% | 7KM3133-0BA00-3AA0 | 25655.- |
| PAC 3200 with integrated ethernet port for MODBUS TCP Class 0.5s accuracy, screw terminals With AC/DC wide voltage power supply 95...240V AC ±10%, 50/60Hz, 110...340V DC ±10% | 7KM2112-0BA00-3AA0 [#] | 41540.- |
| PAC 4200 with integrated ethernet port for MODBUS TCP Class 0.2s accuracy, screw terminals With AC/DC wide voltage power supply 95...240V AC ±10%, 50/60Hz, 110...340V DC ±10% | 7KM4212-0BA00-3AA0 [#] | Upon Enquiry |


Expansion Modules (for PAC3200 and PAC4200)

| Description | Type | Unit LP* ₹ |
|---|--------------------|--------------|
| PROFIBUS DP expansion module | 7KM9300-0AB01-0AA0 | 14170.- |
| RS485 expansion module for MODBUS RTU | 7KM9300-0AM00-0AA0 | 11210.- |
| Switched Ethernet PROFINET expansion module | 7KM9300-0AE01-0AA0 | Upon Enquiry |
| Digital Expansion Module 4DI/2DO [§] | 7KM9200-0AB00-0AA0 | Upon Enquiry |

[#] For extra low DC voltage (22 ... 65 V DC ± 10 %) option, please contact your nearest Siemens partner.


[§] To be used only with PAC 4200. Maximum 2 no.s can be connected if communication expansion module is not connected.
For exact configuration, please contact the nearest Sales Office.

PAC EXPANSION Modules




7KM PAC 3200


MODBUS RTU




PROFINET




PROFIBUS DP




I(N), I(Diff), Analog



7KM PAC 4200



PAC 4 DI/2DO



(B) Software Solution

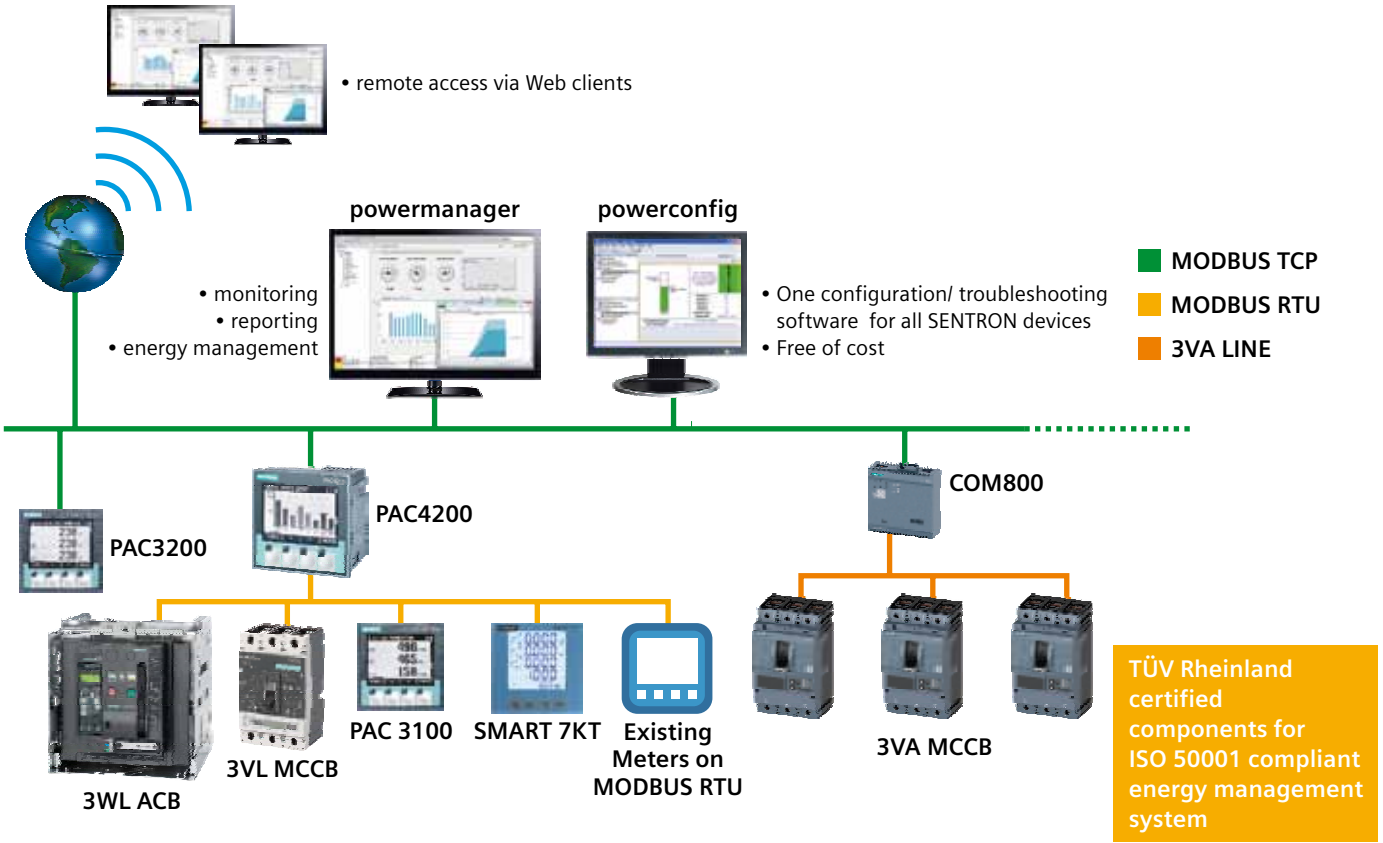
| Description | Unit LP* ₹ |
|---|--------------|
| SETRON powermanager: Complete Energy Management Software | Upon Enquiry |

Std. Pkg. = 1 unit

* LP - List Price



Single Platform Energy Management Solution for LV power distribution



Energy Management System

Professional Solution for Power Quality Measurement

SENTRON 7KM PAC 5100/5200

www.siemens.co.in

- Measured value capture in accordance with power quality standard IEC 61000-4-30
 - Recording of power quality anomalies like sag, swell and interruption
 - Integrated web server to set parameters and display measured values on HTML pages
- For more details, contact your nearest Siemens partner.*

DIN Rail Mounted Meters for energy monitoring in Infra and Building Applications

| Description | Type | Unit LP* ₹ |
|---|--------------------|--------------|
| PAC 2200 DIN rail meter with integrated RS 485 port for MODBUS RTU 65A direct connection Class 1 accuracy | 7KM2200-2EA40-1DA1 | 22150.- |
| PAC 2200 DIN rail meter with integrated ethernet port for MODBUS TCP 65A direct connection Class 1 accuracy | 7KM2200-2EA40-1EA1 | Upon Enquiry |
| PAC3200T DIN rail meter with integrated ethernet port for MODBUS TCP High accuracy of class 0.5 Without display | 7KM3200-0CA01-1AA0 | Upon Enquiry |

PAC 2200 and PAC 3200T:

Reliable and Easy energy monitoring for DIN rail Applications

- Compact design on standard mounting rail
- Integrated digital input (DI) and Digital output (DO)
- Integrated web server
- Neutral conductor current display
- THD Measurement



Energy Management System

Compact Solution for Energy Monitoring

SETRON 7KT PAC 1600 DIN Rail mounted Energy Meters

siemens.com/powermonitoring

- PAC 1600 range of single phase and three phase meters
- Space saving mounting by very slim construction
- Energy counters for active, reactive and apparent energy
- THD | Harmonics up to 15.

SIEMENS

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NEW

SENTRON

3KC (MTSE) Manual Transfer Switching Equipment

End-to-end safety for user and systems

Confirms to IEC 60947-6-1 & 60947-3

Manual Transfer Switching Equipment (MTSE) up to 1600A

3/4 pole version

Wide range of accessories

www.siemens.com/lowvoltage

3NP1 Fuse Switch Disconnecter up to 630A

- 160-630A in 3- pole versions
- Rated voltage of 690V AC/440V DC
- Suitable for floor & busbar mounting
- With mechanical & electronic fuse monitoring



Application:

- Machine Protection
- Frequency Converter Protection
- Compensation Systems (Capacitor Panels)
- Distribution Boards and Switchboards

Benefits:

- Cost and space savings thanks to the compact design
- Selection charts with semiconductor fuses in accordance with IEC 60269-2
- Direct connection of stripped conductors supports considerably faster mounting / installation
- Ease of mounting with direct bus bar mounting option
- Leading auxiliary switches with respect to main contacts available

Floor mounting



| Rated current (A) | Suitable for DIN fuse size | Connection | Type | Unit LP* ₹ |
|-------------------|----------------------------|--------------------------------|--------------------------------|--------------------|
| 100 ¹⁾ | 000 | Box terminal | 3NP1123-1CA20 | 5130.- |
| 160 160 | 00 / 000 00 / 000 | Flat connector Box terminal | 3NP1133-1CA10 3NP1133-1CA20 | 5340.- 6405.- |
| 250 250 | 1 and 00 1 and 00 | Flat connector Box terminal | 3NP1143-1DA10 3NP1143-1DA20 | 15570.- 18320.- |
| 400 | 2 and 1 | Flat connector | 3NP1153-1DA10 | 21380.- |
| 630 | 3 and 2 | Flat connector | 3NP1163-1DA10 | 28740.- |

3NP1 with in built mechanical fuse monitoring



| Rated current (A) | Suitable for DIN fuse size | Connection | Type | Unit LP* ₹ |
|-------------------|----------------------------|----------------|---------------|------------|
| 160 | 000/00 | Flat Terminals | 3NP1133-1CA11 | 18335.- |
| 250 | 1 and 00 | Flat Terminals | 3NP1143-1DA11 | 27885.- |
| 400 | 2 and 1 | Flat Terminals | 3NP1153-1DA11 | 33355.- |
| 630 | 3 and 2 | Flat Terminals | 3NP1163-1DA11 | 40410.- |

40 mm busbar system

| Rated current (A) | Suitable for DIN fuse size | Connection | Type | Unit LP* ₹ |
|-------------------|----------------------------|--------------------------------|--------------------------------|------------------|
| 100 ¹⁾ | 000 | Box terminal | 3NP1123-1BB20 | 7175.- |
| 160 160 | 00 / 000 00 / 000 | Flat connector Box terminal | 3NP1133-1BB10 3NP1133-1BB20 | 8125.- 8655.- |

3NP1 with electronic fuse monitoring



| Rated current (A) | Suitable for DIN fuse size | Connection ²⁾ | Type | Unit LP* ₹ |
|-------------------|----------------------------|--------------------------|---------------|--------------|
| 160 | 000/00 | Flat terminals | 3NP1133-1CA12 | Upon enquiry |
| 250 | 1 and 00 | Flat terminals | 3NP1143-1DA12 | |
| 400 | 2 and 1 | Flat terminals | 3NP1153-1DA12 | |
| 630 | 3 and 2 | Flat terminals | 3NP1163-1DA12 | |

60 mm busbar system

| Rated current (A) | Suitable for DIN fuse size | Connection ²⁾ | Type | Unit LP* ₹ |
|-------------------|----------------------------|--------------------------|---------------|--------------|
| 160 | 000/00 | Flat terminals | 3NP1133-1BC10 | Upon enquiry |
| 250 | 1 and 00 | Flat terminals | 3NP1143-1BC10 | |
| 400 | 2 and 1 | Flat terminals | 3NP1153-1BC10 | |
| 630 | 3 and 2 | Flat terminals | 3NP1163-1BC10 | |

Auxillary Contact (1 C/O type)

| Size | Type | Unit LP* ₹ |
|------|---------------|------------|
| 000 | 3NP1920-1FA00 | 1040.- |
| 00 | 3NP1930-1FA00 | 1040.- |
| 1 | 3NP1940-1FA00 | 1140.- |
| 2 | 3NP1940-1FA00 | 1140.- |
| 3 | 3NP1940-1FA00 | 1140.- |

1) Can be used for upto 160A in combination with feeder terminal 3NP1923-1BD00 (to be ordered seperately)

2) Box type terminal variants available

Std. Pkg. = 1 unit * LP - List Price

Superswitch 3KL/3KA

- Wide range : Upto 800A in SDF and 1600A in SDs
- Available in DP,TP,TPN & TPSN variants
- Suitable for isolation as per IS/IEC 60947
- Unique positive off indication
- Suitable for AC23 Duty

- Roller contacts with high operating life
- IP65 handle with door interlock
- Wide range of accessories
- Suitable for power distribution as well as motor protection



DP



TP



TPN



TPSN

Switch Disconnector fuse, 3KL8¹⁾, 2 Pole (in Open Execution)

| Rated Current I _e @ 690V 50Hz | SDF suitable for DIN type HRC Fuses | Unit MRP* ₹ | Std. pkg. (nos.) |
|--|-------------------------------------|-------------|------------------|
| 100A | 3KL8211-2TA00 | 5910.- | 1 |
| 125A | 3KL8221-2TA00 | 7505.- | 1 |
| 160A | 3KL8231-2TA00 | 7805.- | 1 |
| 200A | 3KL8311-2UA00 | 9925.- | 1 |
| 250A | 3KL8321-2UA00 | 11795.- | 1 |
| 315A | 3KL8331-2UA00 | 15030.- | 1 |
| 400A ⁵ | 3KL8341-2UA00 | 17915.- | 1 |
| 500A | 3KL8411-2UA00 | 24665.- | 1 |
| 630A | 3KL8421-2UA00 | 28930.- | 1 |
| 800A ⁵ | 3KL8431-2UA00 | 33385.- | 1 |

Switch Disconnector fuse, 3KL8¹⁾, 3 Pole³⁾, for Motor Feeder Protection (in Open Execution)

| Rated current I _e @ 690V AC, 50Hz | SDF suitable for DIN type HRC Fuses | Unit MRP* ₹ | Std. pkg. (nos.) |
|--|-------------------------------------|-------------|------------------|
| 20A | 3KL8111-1TA00 | 2140.- | 1 |
| 32A | 3KL8121-1TA00 | 2175.- | 1 |
| 63A | 3KL8151-1TA00 | 3100.- | 1 |
| 100A | 3KL8211-1TA00 | 6065.- | 1 |
| 125A | 3KL8221-1TA00 | 7665.- | 1 |
| 160A | 3KL8231-1TA00 | 8485.- | 1 |
| 200A | 3KL8311-1UA00 | 11505.- | 1 |
| 250A | 3KL8321-1UA00 | 13655.- | 1 |
| 315A | 3KL8331-1UA00 | 16875.- | 1 |
| 400A ⁵ | 3KL8341-1UA00 | 20325.- | 1 |
| 500A | 3KL8411-1UA00 | 31215.- | 1 |
| 630A | 3KL8421-1UA00 | 32660.- | 1 |
| 800A ⁵ | 3KL8431-1UA00 | 35385.- | 1 |

Switch Disconnector fuse: 3KL8¹⁾ for power distribution and motor protection (in Open Execution TPN) ^{^3)} **NEW**

| Rated current I _e @ 690V AC 50Hz | SDF suitable for DIN type HRC Fuses | Unit MRP* ₹ | SDF suitable for BS type HRC Fuses | Unit MRP* ₹ | SDF suitable for cylindrical type HRC Fuses | Unit MRP* ₹ | Std. pkg. (nos.) |
|---|-------------------------------------|-------------|------------------------------------|-------------|---|-------------|------------------|
| 20A | 3KL8111-5TA00 | 2155.- | 3KL8111-5TJ00 | 2145.- | 3KL8111-5TC00 | 2105.- | 1 |
| 32A | 3KL8121-5TA00 | 2215.- | 3KL8121-5TJ00 | 2205.- | 3KL8121-5TC00 | 2150.- | 1 |
| 63A | ■ 3KL8151-5TA00 | 3125.- | 3KL8151-5TJ00 | 3080.- | 3KL8151-5TC00 | 2985.- | 1 |
| 100A | ■ 3KL8211-5TA00 | 6175.- | 3KL8211-5TJ00 | 6230.- | - | - | 1 |
| 125A | ■ 3KL8221-5TA00 | 8150.- | 3KL8221-5TJ00 | 8190.- | - | - | 1 |
| 160A | ■ 3KL8231-5TA00 | 8810.- | 3KL8231-5TJ00 | 8940.- | - | - | 1 |
| 200A | 3KL8311-5UA00 | 11565.- | 3KL8311-5UJ00 | 11910.- | - | - | 1 |
| 250A | 3KL8321-5UA00 | 13735.- | 3KL8321-5UJ00 | 14115.- | - | - | 1 |
| 315A | 3KL8331-5UA00 | 16975.- | 3KL8331-5UJ00 | 17415.- | - | - | 1 |
| 400A ⁵ | 3KL8341-5UA00 | 20455.- | 3KL8341-5UJ00 | 20955.- | - | - | 1 |
| 500A | 3KL8411-5UA00 | 31700.- | 3KL8411-5UJ00 | 32425.- | - | - | 1 |
| 630A | 3KL8421-5UA00 | 32870.- | 3KL8421-5UJ00 | 33600.- | - | - | 1 |
| 800A ⁵ | 3KL8431-5UA00 | 35610.- | 3KL8431-5UJ00 | 36405.- | - | - | 1 |

Switch Disconnector fuse, 3KL8¹⁾, TPSN^{2) # 4)} (in Open Execution)

| Rated current I _e @ 690V AC, 50Hz | SDF suitable for DIN type HRC Fuses | Unit MRP* ₹ | Std. pkg. (nos.) |
|--|-------------------------------------|-------------|------------------|
| 200A | 3KL8311-4UA00 | 13505.- | 1 |
| 250A | 3KL8321-4UA00 | 15735.- | 1 |
| 315A | 3KL8331-4UA00 | 19435.- | 1 |
| 400A ⁵ | 3KL8341-4UA00 | 23425.- | 1 |
| 500A | 3KL8411-4UA00 | 36310.- | 1 |
| 630A | 3KL8421-4UA00 | 37640.- | 1 |
| 800A ⁵ | 3KL8431-4UA00 | 40790.- | 1 |

^ TPN is 3 Pole with neutral link

TPSN is 3 Pole with switched neutral

\$ Rating AC23A @ 550V, this can be utilised to AC23B @ 690V.

- 1) 3KL8 is rated for 690V, 50Hz, AC23A Utilisation Category.
- 2) For ratings upto 160A, add on switched neutral kit to be used.
- 3) 3KL8 TP/TPN SDFs: Unit MRP's are inclusive of front drive (Handle) kit and phase barriers
- 4) 3KL8 DP/TPSN SDFs: Unit MRP's are inclusive of front drive (Handle) kit, fuse cover, terminal cover and phase barriers

Notes: All SDF Unit MRPs are without fuses

All Superswitch's are supplied with Front drive (Handle) as standard

Std. Pkg. = 1 unit

* MRP - Maximum Retail Price

Superswitch 3KL/3KA

Switch Disconnector fuse: 3KL8[^] for power distribution and motor protection (in Open Execution TPN)³⁾⁴⁾

| Rated current I _n @ 690V AC, 50Hz | SDF suitable for DIN type HRC Fuses | Unit MRP* ₹ | SDF suitable for BS type HRC Fuses | Unit MRP* ₹ | SDF suitable for cylindrical type HRC Fuses | Unit MRP* ₹ | Std. pkg. (nos.) |
|---|--|----------------|---------------------------------------|----------------|--|----------------|---------------------|
| 20A | 3KL8111-3TA00 | 2440.- | 3KL8111-3TJ00 | 2365.- | 3KL8111-3TC00 | 2405.- | 1 |
| 32A | 3KL8121-3TA00 | 2505.- | 3KL8121-3TJ00 | 2445.- | 3KL8121-3TC00 | 2480.- | 1 |
| 63A | 3KL8151-3TA00 | 3535.- | 3KL8151-3TJ00 | 3420.- | 3KL8151-3TC00 | 3445.- | 1 |
| 100A | 3KL8211-3TA00 | 7060.- | 3KL8211-3TJ00 | 6925.- | | | 1 |
| 125A | 3KL8221-3TA00 | 9230.- | 3KL8221-3TJ00 | 9105.- | | | 1 |
| 160A | 3KL8231-3TA00 | 10065.- | 3KL8231-3TJ00 | 9935.- | | | 1 |
| 200A | 3KL8311-3UA00 | 12865.- | 3KL8311-3UJ00 | 12990.- | | | 1 |
| 250A | 3KL8321-3UA00 | 15130.- | 3KL8321-3UJ00 | 15400.- | | | 1 |
| 315A | 3KL8331-3UA00 | 18700.- | 3KL8331-3UJ00 | 19005.- | | | 1 |
| 400A\$ | 3KL8341-3UA00 | 22535.- | 3KL8341-3UJ00 | 22870.- | | | 1 |
| 500A | 3KL8411-3UA00 | 35250.- | 3KL8411-3UJ00 | 35380.- | | | 1 |
| 630A | 3KL8421-3UA00 | 36215.- | 3KL8421-3UJ00 | 36660.- | | | 1 |
| 800A\$ | 3KL8431-3UA00 | 39230.- | 3KL8431-3UJ00 | 39730.- | | | 1 |

Factory fitted CYL type SDFs in SS Enclosure now available



Switch disconnector fuse in SS Enclosure¹⁾: 3KL8 (TPN)²⁾ **NEW**

| Rated current I _n @ 690V AC, 50Hz | Suitable fuse type | Switch Disconnector Fuse | Unit MRP* ₹ | Std. pkg. (nos.) |
|---|--------------------|--------------------------|----------------|------------------|
| 20A | DIN | 3KL8111-5TA10 | 4550.- | 1 |
| | BS | 3KL8111-5TJ10 | 4475.- | 1 |
| | CYL | 3KL8111-5TC10 | 4395.- | 1 |
| 32A | DIN | 3KL8121-5TA10 | 4670.- | 1 |
| | BS | 3KL8121-5TJ10 | 4615.- | 1 |
| | CYL | 3KL8121-5TC10 | 4530.- | 1 |
| 63A | DIN | 3KL8151-5TA10 | 5550.- | 1 |
| | BS | 3KL8151-5TJ10 | 5425.- | 1 |
| | CYL | 3KL8151-5TC10 | 5295.- | 1 |
| 100A | DIN | 3KL8211-5TA10 | 9040.- | 1 |
| | BS | 3KL8211-5TJ10 | 8915.- | 1 |
| 125A | DIN | 3KL8221-5TA10 | 10720.- | 1 |
| | BS | 3KL8221-5TJ10 | 10615.- | 1 |
| 160A | DIN | 3KL8231-5TA10 | 11500.- | 1 |
| | BS | 3KL8231-5TJ10 | 11390.- | 1 |
| 200A | DIN | 3KL8311-5UA10 | 15745.- | 1 |
| | BS | 3KL8311-5UJ10 | 15865.- | 1 |
| 250A | DIN | 3KL8321-5UA10 | 17850.- | 1 |
| | BS | 3KL8321-5UJ10 | 17970.- | 1 |
| 315A | DIN | 3KL8331-5UA10 | 21230.- | 1 |
| | BS | 3KL8331-5UJ10 | 21350.- | 1 |
| 400A\$ | DIN | 3KL8341-5UA10 | 24695.- | 1 |
| | BS | 3KL8341-5UJ10 | 24805.- | 1 |
| 500A | DIN | 3KL8411-5UA10 | 37720.- | 1 |
| | BS | 3KL8411-5UJ10 | 37840.- | 1 |
| 630A | DIN | 3KL8421-5UA10 | 40055.- | 1 |
| | BS | 3KL8421-5UJ10 | 40175.- | 1 |
| 800A\$ | DIN | 3KL8431-5UA10 | 43005.- | 1 |
| | BS | 3KL8431-5UJ10 | 43120.- | 1 |

Switch disconnector: 3KA8[^] (in Open Execution TPN)

| Rated current I _n @ 690V AC, 50Hz | Switch Disconnector | Unit MRP* ₹ | Std. pkg. (nos.) |
|---|---------------------|----------------|------------------|
| 63A | 3KA8151-3TE00 | 3640.- | 1 |
| 100A | 3KA8211-3TE00 | 6235.- | 1 |
| 125A | 3KA8221-3TE00 | 7785.- | 1 |
| 160A | 3KA8231-3TE00 | 7840.- | 1 |
| 200A | 3KA8311-3UE00 | 10975.- | 1 |
| 250A | 3KA8321-3UE00 | 13490.- | 1 |
| 400A | 3KA8341-3UE00 | 19875.- | 1 |
| 630A | 3KA8351-3UE00 | 29060.- | 1 |
| 800A | 3KA843□-3UE00 | 32500.- | 1 |
| 1000A* | 3KA844□-3UE00 | 38775.- | 1 |
| 1250A* | 3KA845□-3UE00 | 52670.- | 1 |
| 1600A* | 3KA846□-3UE00 | 67240.- | 1 |

□ - 2: Top Incoming
□ - 3: Bottom Incoming



NEW SS Enclosure¹⁾ for 3KL/3KA

| Current rating | Type | Unit MRP* ₹ | Std. pkg. (nos.) |
|----------------|-----------------------------|-------------|------------------|
| 20A- 80A | 3KX8155-4AC | 2475.- | 1 |
| 100A-160A | 3KX8235-4AC | 2895.- | 1 |
| 200A-400A | 3KX8345-4AC | 3850.- | 1 |
| 500A-800A | 3KX8435-4AC ^{\$\$} | 6315.- | 1 |

Please note: SDF/SD to be ordered separately.

\$\$ For applications above 800A, recommended to be used along with gland box 3KX8435-4DC

Note:

- 1) SS Stands for Sheet Steel
SS Enclosures are supplied without gland plates as standard
- 2) TPN is 3 Pole with neutral link.
- 3) TPN is 3 Pole with isolable neutral
- 4) 3KL8 TPN SDFs: Unit MRP's are inclusive of front drive (Handle) kit, fuse cover, terminal cover, isolable neutral cover, and phase barriers.

Std. Pkg. = 1 unit

* MRP - Maximum Retail Price

^ 3KL8/ 3KA8 is rated for 690V, 50Hz, AC23A Utilisation Category

@ Rating AC21 at 500V, 50Hz

\$ Rating AC23A @ 550V, this can be utilised to AC23B @ 690V

All SDF Unit MRP's are without fuses

All Superswitch's are supplied with Front drive (Handle) as standard

3KL8 TPN SDF in SS Enclosure execution: Unit MRP's are inclusive of front drive (Handle) kit and phase barriers.

Accessories for Superswitch 3KL8/3KA8

| Description | 3KL811/12/15 3KA815 | Unit MRP* ₹ | 3KL821/22/23 3KA821/22/23 | Unit MRP* ₹ | 3KL831/32/33/34 3KA831/32/34/35 | Unit MRP* ₹ | 3KL841/42/43 3KA843/44/45/46 | Unit MRP* ₹ | Std. pkg. (nos.) |
|--|---------------------------------|-------------------|---|-------------------|---------------------------------------|-------------------|---|-------------------|------------------------|
| Fuse Cover | 3KX8150-0AC | 310.- | 3KX8230-0AC | 440.- | 3KX8340-0AC | 645.- | 3KX8430-0AC | 910.- | 1 |
| Terminal Cover (1 set) | - | - | 3KX8231-0AC | 370.- | 3KX8341-0AC | 710.- | 3KX8431-0AC | 825.- | 1 |
| Isolable Neutral cover | - | - | 3KX8232-0AC | 185.- | 3KX8342-0AC | 305.- | 3KX8432-0AC | 370.- | 1 |
| Phase Barrier ⁵ | 3KX8153-0AC | 130.- | 3KX8233-0AC | 130.- | 3KX8343-0AC | 180.- | 3KX8433-0AC | 235.- | 1 |
| Auxiliary Switch (1NO+1NC) | 3SB5400-0A [^] | 165.- | 3KX3522-1YC | 565.- | 3KX3552-1YC | 680.- | 3KX3582-1YC | 825.- | 1 |
| Auxiliary Switch (2NO+2NC) | - | - | 3KX3522-1YD | 1020.- | 3KX3552-1YD | 1475.- | 3KX3582-1YD | 1595.- | 1 |
| Auxiliary switch cover | 3KX8154-0AC | 60.- | 3KX8234-0AC | 60.- | - | - | - | - | 1 |
| Front Drive (Handle) | 8UC616 | 760.- | 8UC626 | 860.- | 8UC6314-1BB00 | 1300.- | 8UC6414-1BB00 | 1900.- | 1 |
| Operating shaft (300mm) | 8UC60-31 | 210.- | 8UC60-32 | 255.- | 8UC60-34 | 495.- | 8UC60-34 | 495.- | 1 |
| Add on Switched 4th Pole | 3KX8155-5AC | 1405.- | 3KX3528-1YN | 1465.- | - | - | - | - | 1 |
| Add-on Isolable neutral | 3KX8125-6AC (3KL811/ 3KL812) | 270.- | 3KX8225-6AC (3KL821/ 822) (3KA821/ 822) | 390.- | 3KX8315-6AC (3KL831) (3KA831) | 715.- | 3KX8425-6AC (3KL841/42) (3KA835) | 1135.- | 1 |
| | | | | | 3KX8335-6AC (3KL832/3) (3KA832) | 715.- | 3KX8435-6AC (3KL843) (3KA843/4/5/6) | 1405.- | 1 |
| | 3KX8155-6AC (3KL815/3KA815) | 270.- | 3KX8235-6AC (3KL823) (3KA823) | 435.- | 3KX8345-6AC (3KL834)(3KA834) | 925.- | | | |
| Castell interlock ^{1^} | 8UC6070-0YQ.. | 3975.- | 8UC6070-1YQ.. | 3975.- | 8UC6070-2YQ.. | 4080.- | 8UC6070-2YQ.. | 4080.- | 1 |
| Key interlock | - | - | - | - | 3KX3588-1YP(.) [#] | 1850.- | 3KX3588-1YP(.) [#] | 1850.- | 1 |
| Depth setting template | 8UC6046-2 | 45.- | 8UC6046-2 | 45.- | 8UC6046-2 | 45.- | 8UC6046-2 | 45.- | 1 |
| DIN Rail mounting kit | 3KX8155-3AC | 1505.- | - | - | - | - | - | - | 1 |
| Fuse Monitor [^] | 3VU1340-1MS00 | 4215.- | 3VU1340-1MS00 | 4215.- | 3VU1340-1MS00 | 4215.- | 3VU1340-1MS00 | 4215.- | 1 |
| Adapter Plate to replace old 3KL with 3KL8 | 3KX8155-1AC | 415.- | - | - | - | - | - | - | 1 |
| Fuse safety Barrier | 3KX81501AC | 95.- | 3KX82301AC | 130.- | - | - | - | - | 1 |
| Gland box [®] NEW | 3KX8235-4DC | 3355.- | 3KX8235-4DC | 3355.- | 3KX8345-4DC | 4640.- | 3KX8435-4DC | 6825.- | 1 |
| Gland plate (1 no.) NEW | 3KX8235-4GC | 690.- | 3KX8235-4GC | 690.- | 3KX8345-4GC | 870.- | 3KX8435-4GC | 1025.- | 1 |

Type of keys are Type A - F depending on the last digit (.) to be replaced by letters A - F.

1 The 11th and 12th place of the type reference will indicate the alphabet type of lock & key. Combinations available are A, B, C, D, A-, -B, -C, AB, AC. 11th place will be A, B, C, D for castell lock type A, B, C, D respectively. 11th and 12 place will be A0, 0B, 0C, AB, AC for castell lock type A-, -B, -C, AB, AC respectively.

\$ For phase barriers of BS type switches contact nearest Siemens sales office.

@ Gland box includes one gland plate.

Fuse selection guide for Superswitch

| Rated current in (A) | SDF type | DIN fuse size | DIN fuse type | BS fuse size | BS fuse type | NFC fuse size |
|----------------------|----------|---------------|---------------|--------------|--------------------|---------------|
| 20A | 3KL8111 | 00/000 | 3NA78 | A2 | TSA/TIA | 14X51 |
| 32A | 3KL8121 | 00/000 | 3NA78 | A2 | TSA/TIA | 14X51 |
| 63A | 3KL8151 | 00/000 | 3NA78 | A3 | TIS/TSS | 14X51 |
| 100A | 3KL8211 | 00/000 | 3NA78 | A4 | TCP | - |
| 125A | 3KL8221 | 00/000 | 3NA78 | A4 | TCP/TSFP | - |
| 160A | 3KL8231 | 00/000 | 3NA78 | A4 | TCP/TSFP | - |
| 200A | 3KL8311 | 1 - 2 | 3NA71, 72 | B2 | TSF/TF | - |
| 250A | 3KL8321 | 1 - 2 | 3NA71, 72 | B2/B3/B4 | TSF/TF/TKF/TSK | - |
| 315A | 3KL8331 | 1 - 2 | 3NA72 | B2/B3/B4 | TSF/TF/TKF/TSK | - |
| 400A | 3KL8341 | 1 - 2 | 3NA72 | B2/B3/B4 | TSF/TF/TKF/TSK/TMF | - |
| 500A | 3KL8411 | 3 | 3NA33 | C1/C2 | TTM | - |
| 630A | 3KL8421 | 3 | 3NA33 | C1/C2 | TTM | - |
| 800A | 3KL8431 | 3 | 3NA33 | C1/C2 | TSL5 | - |

Std. Pkg. = 1 unit * MRP - Maximum Retail Price ^ - List Price

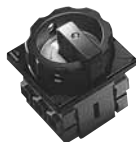
Main control and EMERGENCY STOP switches 3LD

- Rated current range: 16A-250A
- Conforms to IEC 60947-3 / UL508
- Can be used for motor & power distribution application



Main and EMERGENCY-STOP switches with rotary operating mechanism

Front mounting - Four hole mounting
Lockable in OFF position with upto 3 padlocks,
Degree of Protection IP65



| No of Poles | Rated current (A) Ie AC21A | Motor KW AC 23A, 380....440V, 50/60Hz | Type | Unit LP* ₹ |
|-------------|----------------------------|---------------------------------------|---------------|--------------|
| 3 | 16 | 7.5 | 3LD2003-0TK5□ | 2185.- |
| | 25 | 9.5 | 3LD2103-0TK5□ | 2415.- |
| | 32 | 11.5 | 3LD2203-0TK5□ | 2695.- |
| | 63 | 22 | 3LD2504-0TK5□ | 4610.- |
| | 100 | 37 | 3LD2704-0TK5□ | 6995.- |
| | 125 | 45 | 3LD2804-0TK5□ | 8910.- |
| | 160 | 75 | 3LD2305-0TK1□ | Upon enquiry |
| | 250 | 132 | 3LD2405-0TK1□ | Upon enquiry |

□ - 1: Black OR
□ - 3: Red/yellow

Main control and EMERGENCY-STOP switches with selector switch operating mechanism

Front mounting - Four hole mounting
Lockable in OFF position with upto 2 padlocks,
Degree of Protection IP65,
Including terminal cover for incoming side



| No of Poles | Rated current (A) Ie AC21A | Motor KW AC 23A, 380....440V, 50/60Hz | Type | Unit LP* ₹ |
|-------------|----------------------------|---------------------------------------|---------------|------------|
| 3 | 16 | 7.5 | 3LD2022-0TK1□ | 1950.- |
| | 25 | 9.5 | 3LD2122-0TK1□ | 2140.- |
| | 32 | 11.5 | 3LD2222-0TK1□ | 2590.- |

□ - 1: Black OR
□ - 3: Red/yellow

Changeover switches with selector switch operating mechanism

Front mounting - Four hole mounting
Selector switch cannot be locked
Degree of Protection IP65
Black Actuator



| No of Poles | Rated current (A) Ie AC21A | Motor KW AC 23A, 380....440V, 50/60Hz | Type | Unit LP* ₹ |
|-------------|----------------------------|---------------------------------------|---------------|--------------|
| 3 | 25 | 9.5 | 3LD2123-7UK01 | 4780.- |
| | 32 | 11.5 | 3LD2223-7UK01 | 5235.- |
| | 63 | 22 | 3LD2524-7UK01 | 8655.- |
| | 100 | 37 | 3LD2724-7UK01 | 16095.- |
| | 160 | 75 | 3LD2305-7UK01 | Upon enquiry |
| | 250 | 132 | 3LD2405-7UK01 | Upon enquiry |

Main control and EMERGENCY-STOP switches

In Moulded plastic enclosures
Lockable in OFF position with upto 3 padlocks,
Degree of Protection IP65,
with centre hole mounting
with N and/or PE ground terminals



| No of Poles | Rated current (A) Ie AC21A | Motor KW AC 23A, 380....440V, 50/60Hz | Type | Unit LP* ₹ |
|-------------|----------------------------|---------------------------------------|---------------|------------|
| 3 | 16 | 7.5 | 3LD2064-0TB5□ | 3110.- |
| | 25 | 9.5 | 3LD2164-0TB5□ | 3375.- |
| | 32 | 11.5 | 3LD2264-0TB5□ | 4010.- |
| | 63 | 22 | 3LD2565-0TB5□ | 6640.- |
| | 100 | 37 | 3LD2766-0TB5□ | 15090.- |
| | 125 | 45 | 3LD2866-0TB5□ | 27315.- |

□ - 1: Black OR
□ - 3: Red/yellow

Main and EMERGENCY-STOP switches with door coupling rotary operating mechanism

Panel mounting with 300mm switch shaft -
Four hole mounting
Lockable in OFF position with upto 3 padlocks,
Degree of Protection IP65
Including terminal cover for incoming side



| No of Poles | Rated current (A) Ie AC21A | Motor KW AC 23A, 380....440V, 50/60Hz | Type | Unit LP* ₹ |
|-------------|----------------------------|---------------------------------------|---------------|--------------|
| 3 | 16 | 7.5 | 3LD2013-0TK5□ | 3495.- |
| | 25 | 9.5 | 3LD2113-0TK5□ | 3885.- |
| | 32 | 11.5 | 3LD2213-0TK5□ | 4280.- |
| | 63 | 22 | 3LD2514-0TK5□ | 5135.- |
| | 100 | 37 | 3LD2714-0TK5□ | 8435.- |
| | 125 | 45 | 3LD2814-0TK5□ | 10535.- |
| | 160 | 75 | 3LD2318-0TK1□ | Upon enquiry |
| | 250 | 132 | 3LD2418-0TK1□ | Upon enquiry |

□ - 1: Black OR
□ - 3: Red/yellow

Note: 3LD23/24 knob operated mechanism

* LP - List Price

Std. Pkg. = 1 unit

Accessories for 3LD

| Mounting | Description | For Switch | Type | Unit LP* ₹ | Std. pkg. (nos.) | |
|--|--|--|-----------------|-------------|------------------|---|
| For front mounting | Add on switched 4th pole (N Conductor Leading switch ON, delayed switch OFF) | 3LD21 and 3LD22 | 3LD9220-0B | 980.- | 1 | |
| | | 3LD25 | 3LD9250-0BA | 1440.- | 1 | |
| | | 3LD27 and 3LD28 | 3LD9280-0B | 1790.- | 1 | |
| | N or PE terminal Continuous | 3LD20 | 3LD9200-2B | 655.- | 1 | |
| | | 3LD21 and 3LD22 | 3LD9220-2B | 750.- | 1 | |
| | | 3LD25 | 3LD9250-2BA | 985.- | 1 | |
| | | 3LD27 and 3LD28 | 3LD9280-2B | 1200.- | 1 | |
| | Auxiliary switches For mounting on left and/or right 1NO+1NC | 3LD20, 3LD21, 3LD22, 3LD25, 3LD27 and 3LD28 | 3LD9200-5B | 1090.- | 1 | |
| | For floor mounting or 3LD moulded plastic enclosures | Add on switched 4th pole (N Conductor Leading switch ON, delayed switch OFF) | 3LD21 and 3LD22 | 3LD9220-0C | 980.- | 1 |
| | | | 3LD25 | 3LD9250-0CA | 1440.- | 1 |
| 3LD27 and 3LD28 | | | 3LD9280-0C | 1790.- | 1 | |
| N or PE terminal Continuous | | 3LD20 | 3LD9200-2C | 890.- | 1 | |
| | | 3LD21 and 3LD22 | 3LD9220-2C | 750.- | 1 | |
| | | 3LD25 | 3LD9250-2CA | 985.- | 1 | |
| | | 3LD27 and 3LD28 | 3LD9280-2C | 1200.- | 1 | |
| Auxiliary switches For mounting on left and/or right 1NO+1NC | | 3LD20, 3LD21, 3LD22, 3LD25, 3LD27 and 3LD28 | 3LD9200-5C | 1035.- | 1 | |
| Terminal cover for touch protection can be snapped on at top & bottom for front and floor mounting | | 4 pole | 3LD20 | 3LD9201-1A | 335.- | 4 |
| | | 3 pole | 3LD21 and 3LD22 | 3LD9221-0A | 310.- | 4 |
| | 3 pole | 3LD25 | 3LD9251-0A | 345.- | 4 | |
| | 1 pole | 3LD7 and 3LD28 | 3LD9281-2A | 165.- | 4 | |

Also available: 3LD for Solar Photo voltaic applications. Please contact your nearest Siemens partner for more details.

Motor control switches 3LA0

| Description | | Motor output 415V, 50Hz, 3Ph kW | Type | Unit LP* ₹ | Std. pkg. (nos.) |
|------------------------|--|--|---------------|-------------|------------------|
| Open execution | On/Off | 7.5 | ■ 3LA0201-1YA | 1695.- | 10 |
| | | 30 | ■ 3LA0601-1YB | 3940.- | 5 |
| | System selector | 5.5 | ■ 3LA0202-1YA | 1935.- | 10 |
| | | 30 | 3LA0602-1YB | 5515.- | 5 |
| | Reversing | 5.5 | ■ 3LA0203-1YA | 1935.- | 10 |
| | | 30 | ■ 3LA0603-1YB | 5515.- | 5 |
| | Star-delta | 12 | 3LA0204-5YA | 2730.- | 10 |
| | | 30 | 3LA0604-1YB | 7505.- | 5 |
| | 2 speed pole changing i) Separate windings ii) Dahlander | 5.5 | 3LA0205-2YA | 1935.- | 10 |
| | | | 3LA0205-1YA | 2610.- | 10 |
| 5.5 | | 3LA0205-3YA | 3740.- | 10 | |
| | | Reversing pole changing | 5.5 | 3LA0205-3YA | 3740.- |
| In sheet steel housing | On/Off | 7.5 | ■ 3LA0221-1YA | 2295.- | 1 |
| | | 30 | ■ 3LA0621-1YB | 5930.- | 1 |
| | System selector | 5.5 | 3LA0222-1YA | 2660.- | 1 |
| | Reversing | 5.5 | ■ 3LA0223-1YA | 3150.- | 1 |



Spares & accessories for motor control switches**

| Description | Type | Unit LP* ₹ | Std. pkg. (nos.) |
|---|----------------|------------|------------------|
| Ball handle – Black | ■ 3LX0 211-1YA | 100.- | 10 |
| Machine handle – Black | 3LX0 611-2YA | 280.- | 10 |
| Indicating dial for size 2 | ■ 3LX0 220-1YA | 80.- | 10 |
| Indicating dial for size 6 | ■ 3LX0 620-1YA | 80.- | 10 |
| Catching lever for the drive mechanism of size 2 switch (2 nos. reqd. per switch) | 3LY0 220-2YA | 80.- | 10 |
| Tension spring for the drive mechanism of size 2 switch | 3LY0 210-1YA | 70.- | 10 |

** All parts supplied loose in polythene bags.

Heavy duty switches 3LA0

| No. of poles | Rated current | | Open execution | | |
|--------------|---------------|--------|----------------|------------|------------------|
| | AC 22A | AC 23A | Type | Unit LP* ₹ | Std. pkg. (nos.) |
| 2 | 25 | 16 | ■ 3LA0205-4YA | 1160.- | 10 |
| | 63 | 52 | 3LA0605-1YB | 2790.- | 5 |
| 4 | 25 | 16 | ■ 3LA0205-5YA | 1935.- | 10 |
| | 63 | 52 | ■ 3LA0605-2YB | 5095.- | 5 |

Control switches 3ST

| Switch | Description | Type | Unit LP* ₹ | Std. pkg. (nos.) |
|--|------------------|------------------|------------|------------------|
| 2-Pole On-Off ^{1), 2)} 3-Pole On-Off ^{1), 2)} | 415V, 50Hz/8.5A | ■ 3ST1 400-0AF08 | 585.- | 10 |
| | | ■ 3ST1 400-1AH08 | 710.- | 10 |
| Ammeter selector | 0-L1-L2-L3 | ■ 3ST1 400-2RQ08 | 1060.- | 10 |
| Voltmeter selector | 0-L1L2-L2L3-L3L1 | ■ 3ST1 400-1RK08 | 745.- | 10 |

1) 12th place code '8' represents black knob. Replace it by '9' for red knob.
2) 9th place code 'A' represents rotation < 360°. For 360° rotation, replace it by 'B'

■ Stock items

* LP - List Price

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NEW

Betagard 5SL7 Miniature Circuit Breaker

The new 5SL7 Miniature Circuit breaker from Siemens conforms to IS/IEC 60898-1 and is available in "C" and "D" characteristics with breaking capacity upto 15kA





Key features :

- Terminal covers for protection
- Patented SLR feature
- Enhanced mechanical and electrical endurance
- Uniform busbar concept in line with Betagard MCBs
- Tested for Shock and Resistance to vibration as per IS/IEC 60068

Betagard Miniature Circuit Breakers Type 5SL6 and 5SL4



- Standards: IS/IEC 60898-1:2002
- Voltage: Un 240/415V, 50...60Hz can be used in systems upto 60V DC for 1P and 110V DC for 2P[&]
- With ISI marking: CML No. 2255548

| | I _n A | MW# | 7500A | | 10000A | | Std. Pkg. (Nos.) |
|--|---------------------|-----|------------------|------------------|------------|------|---------------------|
| | | | Characteristic B | Characteristic C | | | |
|  | 0.5 | 1 | -- | 5SL61057RC | 5SL41057RC | 1/12 | |
| | 1 | | -- | 5SL61017RC | -- | 1/12 | |
| | 2 | | -- | 5SL61027RC | 5SL41027RC | 1/12 | |
| | 3 | | -- | 5SL61037RC | 5SL41037RC | 1/12 | |
| | 4 | | -- | 5SL61047RC | 5SL41047RC | 1/12 | |
| | 6 | | 5SL61066RC | 5SL61067RC | 5SL41067RC | 1/12 | |
| | 8 | | -- | 5SL61087RC | 5SL41087RC | 1/12 | |
| | 10 | | 5SL61106RC | 5SL61107RC | 5SL41107RC | 1/12 | |
| | 13 | | -- | 5SL61137RC | 5SL41137RC | 1/12 | |
| | 16 | | 5SL61166RC | 5SL61167RC | 5SL41167RC | 1/12 | |
| | 20 | | 5SL61206RC | 5SL61207RC | 5SL41207RC | 1/12 | |
| | 25 | | 5SL61256RC | 5SL61257RC | 5SL41257RC | 1/12 | |
| | 32 | | 5SL61326RC | 5SL61327RC | 5SL41327RC | 1/12 | |
| | 40 | | 5SL61406RC | 5SL61407RC | 5SL41407RC | 1/12 | |
| | 50 | | 5SL61506RC | 5SL61507RC | 5SL41507RC | 1/12 | |
| | 63 | | 5SL61636RC | 5SL61637RC | 5SL41637RC | 1/12 | |
|  | 0.5 | 2 | -- | 5SL62057RC | 5SL42057RC | 1/6 | |
| | 1 | | -- | 5SL62017RC | -- | 1/6 | |
| | 2 | | -- | 5SL62027RC | 5SL42027RC | 1/6 | |
| | 3 | | -- | 5SL62037RC | 5SL42037RC | 1/6 | |
| | 4 | | -- | 5SL62047RC | 5SL42047RC | 1/6 | |
| | 6 | | 5SL62066RC | 5SL62067RC | 5SL42067RC | 1/6 | |
| | 8 | | -- | 5SL62087RC | 5SL42087RC | 1/6 | |
| | 10 | | 5SL62106RC | 5SL62107RC | 5SL42107RC | 1/6 | |
| | 13 | | -- | 5SL62137RC | 5SL42137RC | 1/6 | |
| | 16 | | 5SL62166RC | 5SL62167RC | 5SL42167RC | 1/6 | |
| | 20 | | 5SL62206RC | 5SL62207RC | 5SL42207RC | 1/6 | |
| | 25 | | 5SL62256RC | 5SL62257RC | 5SL42257RC | 1/6 | |
| | 32 | | 5SL62326RC | 5SL62327RC | 5SL42327RC | 1/6 | |
| | 40 | | 5SL62406RC | 5SL62407RC | 5SL42407RC | 1/6 | |
| | 50 | | 5SL62506RC | 5SL62507RC | 5SL42507RC | 1/6 | |
| | 63 | | 5SL62636RC | 5SL62637RC | 5SL42637RC | 1/6 | |
|  | 0.5 | 3 | -- | 5SL63057RC | 5SL43057RC | 1/4 | |
| | 1 | | -- | 5SL63017RC | -- | 1/4 | |
| | 2 | | -- | 5SL63027RC | 5SL43027RC | 1/4 | |
| | 3 | | -- | -- | 5SL43037RC | 1/4 | |
| | 4 | | -- | 5SL63047RC | 5SL43047RC | 1/4 | |
| | 6 | | 5SL63066RC | 5SL63067RC | 5SL43067RC | 1/4 | |
| | 8 | | -- | -- | 5SL43087RC | 1/4 | |
| | 10 | | 5SL63106RC | 5SL63107RC | 5SL43107RC | 1/4 | |
| | 13 | | -- | -- | 5SL43137RC | 1/4 | |
| | 16 | | 5SL63166RC | 5SL63167RC | 5SL43167RC | 1/4 | |
| | 20 | | 5SL63206RC | 5SL63207RC | 5SL43207RC | 1/4 | |
| | 25 | | 5SL63256RC | 5SL63257RC | 5SL43257RC | 1/4 | |
| | 32 | | 5SL63326RC | 5SL63327RC | 5SL43327RC | 1/4 | |
| | 40 | | 5SL63406RC | 5SL63407RC | 5SL43407RC | 1/4 | |
| | 50 | | 5SL63506RC | 5SL63507RC | 5SL43507RC | 1/4 | |
| | 63 | | 5SL63636RC | 5SL63637RC | 5SL43637RC | 1/4 | |
|  | 0.5 | 4 | -- | 5SL64057RC | 5SL44057RC | 1/3 | |
| | 1 | | -- | 5SL64017RC | -- | 1/3 | |
| | 2 | | -- | 5SL64027RC | 5SL44027RC | 1/3 | |
| | 3 | | -- | -- | 5SL44037RC | 1/3 | |
| | 4 | | -- | 5SL64047RC | 5SL44047RC | 1/3 | |
| | 6 | | 5SL64066RC | 5SL64067RC | 5SL44067RC | 1/3 | |
| | 8 | | -- | -- | 5SL44087RC | 1/3 | |
| | 10 | | 5SL64106RC | 5SL64107RC | 5SL44107RC | 1/3 | |
| | 13 | | -- | -- | 5SL44137RC | 1/3 | |
| | 16 | | 5SL64166RC | 5SL64167RC | 5SL44167RC | 1/3 | |
| | 20 | | 5SL64206RC | 5SL64207RC | 5SL44207RC | 1/3 | |
| | 25 | | 5SL64256RC | 5SL64257RC | 5SL44257RC | 1/3 | |
| | 32 | | 5SL64326RC | 5SL64327RC | 5SL44327RC | 1/3 | |
| | 40 | | 5SL64406RC | 5SL64407RC | 5SL44407RC | 1/3 | |
| | 50 | | 5SL64506RC | 5SL64507RC | 5SL44507RC | 1/3 | |
| | 63 | | 5SL64636RC | 5SL64637RC | 5SL44637RC | 1/3 | |

1 MW (Module Width) = 18 mm & subject to application specific circuit connections. Kindly contact nearest sales office

Refer latest Electrical Installations from A to Z MRP for prices

Circuit Breakers

Betagard Circuit Breakers



5SL7 Miniature circuit breaker

- Standards: IS/IEC 60898-1
- Voltage: Un 240/415V, 50...60Hz
- Breaking capacity: upto 15kA
- With ISI marking: CM/L No. 2255548



5SL5 Circuit Breakers

- Standards: IS/IEC 60947-2
- Voltage: 220V DC/1P & 440VDC/2P
- Breaking capacity: 10kA as per IS/IEC 60947-2

| | Rated current I _n (A) | MW# | 10000A | | | | Std. Pkg. (Nos) | | | | |
|----|-------------------------------------|------------|-----------------|------------------|------------------|----------------------|-----------------|------------|----|-------------|------------|
| | | | | Characteristic C | Characteristic D | Characteristic C, DC | | | | | |
| | 0.5 | 1 | 1P, 240/415V AC | -- | -- | 1P, 220V DC | 5SL51057RC | 1/12 | | | |
| | 1 | | | -- | -- | | 5SL51017RC | 1/12 | | | |
| | 2 | | | 5SL71027RC | 5SL71028RC | | 5SL51027RC | 1/12 | | | |
| | 4 | | | 5SL71047RC | 5SL71048RC | | 5SL51047RC | 1/12 | | | |
| | 6 | | | 5SL71067RC | 5SL71068RC | | 5SL51067RC | 1/12 | | | |
| | 10 | | | 5SL71107RC | 5SL71108RC | | 5SL51107RC | 1/12 | | | |
| | 16 | | | 5SL71167RC | 5SL71168RC | | 5SL51167RC | 1/12 | | | |
| | 20 | | | 5SL71207RC | 5SL71208RC | | 5SL51207RC | 1/12 | | | |
| | 25 | | | 5SL71257RC | 5SL71258RC | | 5SL51257RC | 1/12 | | | |
| | 32 | | | 5SL71327RC | 5SL71328RC | | 5SL51327RC | 1/12 | | | |
| | 40 | | | 5SL71407RC | 5SL71408RC | | 5SL51407RC | 1/12 | | | |
| | 50 | | | 5SL71507RC | 5SL71508RC | | 5SL51507RC | 1/12 | | | |
| | 63 | | | 5SL71637RC | 5SL71638RC | | 5SL51637RC | 1/12 | | | |
| | | | | 0.5 | 2 | | 2P, 415V AC | -- | -- | 2P, 440V DC | 5SL52057RC |
| 1 | | -- | -- | 5SL52017RC | | 1/6 | | | | | |
| 2 | | 5SL72027RC | 5SL72028RC | 5SL52027RC | | 1/6 | | | | | |
| 4 | | 5SL72047RC | 5SL72048RC | 5SL52047RC | | 1/6 | | | | | |
| 6 | | 5SL72067RC | 5SL72068RC | 5SL52067RC | | 1/6 | | | | | |
| 10 | | 5SL72107RC | 5SL72108RC | 5SL52107RC | | 1/6 | | | | | |
| 16 | | 5SL72167RC | 5SL72168RC | 5SL52167RC | | 1/6 | | | | | |
| 20 | | 5SL72207RC | 5SL72208RC | 5SL52207RC | | 1/6 | | | | | |
| 25 | | 5SL72257RC | 5SL72258RC | 5SL52257RC | | 1/6 | | | | | |
| 32 | | 5SL72327RC | 5SL72328RC | 5SL52327RC | | 1/6 | | | | | |
| 40 | | 5SL72407RC | 5SL72408RC | 5SL52407RC | | 1/6 | | | | | |
| 50 | | 5SL72507RC | 5SL72508RC | 5SL52507RC | | 1/6 | | | | | |
| 63 | | 5SL72637RC | 5SL72638RC | 5SL52637RC | | 1/6 | | | | | |
| | | 2 | 3 | 3P, 415V AC | | 5SL73027RC | | 5SL73028RC | -- | | -- |
| | 4 | 5SL73047RC | | | 5SL73048RC | -- | -- | 1/4 | | | |
| | 6 | 5SL73067RC | | | 5SL73068RC | -- | -- | 1/4 | | | |
| | 10 | 5SL73107RC | | | 5SL73108RC | -- | -- | 1/4 | | | |
| | 16 | 5SL73167RC | | | 5SL73168RC | -- | -- | 1/4 | | | |
| | 20 | 5SL73207RC | | | 5SL73208RC | -- | -- | 1/4 | | | |
| | 25 | 5SL73257RC | | | 5SL73258RC | -- | -- | 1/4 | | | |
| | 32 | 5SL73327RC | | | 5SL73328RC | -- | -- | 1/4 | | | |
| | 40 | 5SL73407RC | | | 5SL73408RC | -- | -- | 1/4 | | | |
| | 50 | 5SL73507RC | | | 5SL73508RC | -- | -- | 1/4 | | | |
| | 63 | 5SL73637RC | | | 5SL73638RC | -- | -- | 1/4 | | | |
| | | 2 | | | 4 | 4P, 415V AC | 5SL74027RC | 5SL74028RC | -- | -- | 1/3 |
| | | 4 | | | | | 5SL74047RC | 5SL74048RC | -- | -- | 1/3 |
| | | 6 | | | | | 5SL74067RC | 5SL74068RC | -- | -- | 1/3 |
| 10 | | 5SL74107RC | 5SL74108RC | -- | | | -- | 1/3 | | | |
| 16 | | 5SL74167RC | 5SL74168RC | -- | | | -- | 1/3 | | | |
| 20 | | 5SL74207RC | 5SL74208RC | -- | | | -- | 1/3 | | | |
| 25 | | 5SL74257RC | 5SL74258RC | -- | | | -- | 1/3 | | | |
| 32 | | 5SL74327RC | 5SL74328RC | -- | | | -- | 1/3 | | | |
| 40 | | 5SL74407RC | 5SL74408RC | -- | | | -- | 1/3 | | | |
| 50 | | 5SL74507RC | 5SL74508RC | -- | | | -- | 1/3 | | | |
| 63 | | 5SL74637RC | 5SL74638RC | -- | | | -- | 1/3 | | | |

1 MW (Module Width) = 18 mm

Refer latest Electrical Installations from A to Z MRP for prices



SIEMENS

Ingenuity for life

Geared to perform in the toughest situation

Siemens range of fuses

Fuses are the fastest & simplest current limiting devices, suitable for protection of lines, systems, devices in both – distribution & control circuits.

Available in Varied design - with a wide current range, multiple voltage ratings and high short circuit strength, Siemens fuses are perfectly equipped to minimize the effect of over currents, thus allowing you to protect property as well as lives

Siemens Fuses offer:

- High switching capacity
- Compact Design
- Low Watt Losses

With Siemens fuses - protection is Easy, Safe and Reliable

HRC fuses (DIN) 3NA

- High Breaking capacity of 120kA
- Dual indication for fault detection
- ISI marked
- Highly compact: upto 100A in size 000



Upto 800A, 500V AC, S.C. breaking capacity 120kA

| Size | Rated current (A) | Type | Unit MRP* ₹ | Std. pkg.** (nos.) |
|------|-------------------|------------|-------------|--------------------|
| 000 | 2 | 3NA78020RC | 345.- | 1/6 |
| | 4 | 3NA78040RC | 345.- | 1/6 |
| | 6 | 3NA78010RC | 345.- | 1/6 |
| | 10 | 3NA78030RC | 345.- | 1/6 |
| | 16 | 3NA78050RC | 350.- | 1/6 |
| | 20 | 3NA78070RC | 350.- | 1/6 |
| | 25 | 3NA78100RC | 350.- | 1/6 |
| | 32 | 3NA78120RC | 350.- | 1/6 |
| | 40 | 3NA78170RC | 375.- | 1/6 |
| | 50 | 3NA78200RC | 375.- | 1/6 |
| | 63 | 3NA78220RC | 415.- | 1/6 |
| | 80 | 3NA78240RC | 445.- | 1/6 |
| | 100 | 3NA78300RC | 445.- | 1/6 |
| 00 | 125 | 3NA78320RC | 545.- | 1/6 |
| | 160 | 3NA78360RC | 570.- | 1/6 |
| 1 | 50 | 3NA71200RC | 740.- | 1/3 |
| | 63 | 3NA71220RC | 740.- | 1/3 |
| | 80 | 3NA71240RC | 740.- | 1/3 |
| | 100 | 3NA71300RC | 740.- | 1/3 |
| | 125 | 3NA71320RC | 770.- | 1/3 |
| | 160 | 3NA71360RC | 795.- | 1/3 |
| | 200 | 3NA71400RC | 795.- | 1/3 |
| | 224 | 3NA71420RC | 825.- | 1/3 |
| | 250 | 3NA71440RC | 895.- | 1/3 |
| | 2 | 200 | 3NA72400RC | 1100.- |
| 250 | | 3NA72440RC | 1140.- | 1/3 |
| 315 | | 3NA72520RC | 1185.- | 1/3 |
| 400* | | 3NA72600RC | 1185.- | 1/3 |
| 3 | 315 | 3NA33520RC | 1685.- | 1/3 |
| | 400 | 3NA33600RC | 1685.- | 1/3 |
| | 500 | 3NA33650RC | 1885.- | 1/3 |
| | 630 | 3NA33720RC | 1925.- | 1/3 |
| | 800* | 3NA33754RC | 2345.- | 1/3 |

* 400A & 800A rated at 415V AC

690V AC, S.C. breaking capacity 120kA

| Size | Rated current (A) | Type | Unit MRP* ₹ | Std. pkg.** (nos.) |
|------|-------------------|------------|-------------|--------------------|
| 00 | 40 | 3NA78176RC | 460.- | 1/6 |
| | 50 | 3NA78206RC | 460.- | 1/6 |
| | 63 | 3NA78226RC | 495.- | 1/6 |
| | 80 | 3NA78246RC | 520.- | 1/6 |
| | 100 | 3NA78306RC | 520.- | 1/6 |
| 1 | 125 | 3NA71326RC | 900.- | 1/3 |
| | 160 | 3NA71366RC | 935.- | 1/3 |
| | 200 | 3NA71406RC | 935.- | 1/3 |
| 2 | 250 | 3NA72446RC | 1240.- | 1/3 |
| | 315 | 3NA72526RC | 1325.- | 1/3 |
| 3 | 400 | 3NA33606RC | 1980.- | 1/3 |
| | 425 | 3NA33626RC | 1980.- | 1/3 |
| | 500 | 3NA33656RC | 2110.- | 1/3 |

Isolating links (DIN)

| Size | Rated current (A) | Type | Unit MRP* ₹ | Std. pkg.** (nos.) |
|------|-------------------|-----------|-------------|--------------------|
| 00 | 160 | ■ 3NG1000 | 350.- | 1 |
| 1 | 250 | ■ 3NG1250 | 525.- | 1 |
| 2 | 400 | ■ 3NG1300 | 855.- | 1 |
| 3 | 630 | ■ 3NG1400 | 890.- | 1 |

Fuse bases (DIN)

| Size | Rated current (A) | Suitable for fuse link type | Type | Unit MRP* ₹ | Std. pkg.** (nos.) |
|------|-------------------|-----------------------------|---|-------------|--------------------|
| 00 | 160 | 3NA7 8 | ■ 3NH3030-0RC (Screw-in connection at both ends) | 425.- | 1/10 |
| 00 | 160 | 3NA7 8 | ■ 3NH3032-0RC (Plug-in connection at both ends) | 445.- | 1/10 |
| 1 | 250 | 3NA7 1 | ■ 3NH3230-0RC | 835.- | 1/5 |
| 2 | 400 | 3NA7 2 | ■ 3NH3330-0RC | 1210.- | 1/5 |
| 3 | 630 | 3NA3 3 | ■ 3NH3430-0RC | 1705.- | 1/5 |
| 3 | 800 | 3NA3 3 | ■ 3NH3430-4RC | 2055.- | 1/5 |

Fuse puller

| Description | Type | MRP* ₹ | Std. pkg.** (nos.) |
|--|-----------|--------|--------------------|
| Suitable for 3KL8/3KT8 and all sizes of fuse links/isolating links | ■ 3NX1011 | 1745.- | 1 |
| Suitable only for fuse links and isolating links | 3NX1010 | 870.- | 1 |



Fuse Puller:
3NX1010



Isolating Link



Fuse Base

690V AC, S.C. breaking capacity 120kA

| Size | Rated current (A) | Type | Unit MRP* ₹ |
|------|-------------------|----------|--------------|
| 000 | 2A | 3NA78026 | Upon enquiry |
| | 4A | 3NA78046 | Upon enquiry |
| | 6A | 3NA78016 | Upon enquiry |
| | 10A | 3NA78036 | Upon enquiry |
| | 16A | 3NA78056 | Upon enquiry |
| | 20A | 3NA78076 | Upon enquiry |
| | 25A | 3NA78106 | Upon enquiry |
| | 32A | 3NA78126 | Upon enquiry |
| | 35A | 3NA78146 | Upon enquiry |

** Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

* MRP - Maximum Retail Price

HRC fuses (BS) 3NW

- 2A-800A
- Rated at 415V AC/240V DC
- Breaking capacity 80kA (AC)



Blade tag

| Rated current A | Type | Unit MRP* ₹ | Std. pkg.** (nos.) |
|-----------------|-----------|-------------|--------------------|
| 2 | ■ 3NWN52 | 85.- | 20 |
| 4 | ■ 3NWN54 | 85.- | 20 |
| 6 | ■ 3NWN56 | 85.- | 20 |
| 10 | ■ 3NWN510 | 85.- | 20 |
| 16 | ■ 3NWN516 | 85.- | 20 |
| 20 | ■ 3NWN520 | 95.- | 20 |
| 25 | ■ 3NWN525 | 95.- | 20 |
| 32 | 3NWN532 | 95.- | 20 |

Offset tag

| Rated current A | Type | Unit MRP* ₹ | Std. pkg.** (nos.) |
|-----------------|------------|-------------|--------------------|
| 6 | 3NWTSA6 | 95.- | 20 |
| 10 | 3NWTSA10 | 95.- | 20 |
| 16 | 3NWTSA16 | 95.- | 20 |
| 20 | 3NWTSA20 | 95.- | 20 |
| 25 | 3NWTSA25 | 95.- | 20 |
| 32 | 3NWTSA32 | 95.- | 20 |
| 36 | 3NWTSS36 | 200.- | 20 |
| 40 | 3NWTSS40 | 200.- | 20 |
| 50 | 3NWTSS50 | 200.- | 20 |
| 63 | 3NWTSS63 | 200.- | 20 |
| 80 | 3NWTSDS80 | 290.- | 20 |
| 100 | 3NWTSDS100 | 290.- | 20 |
| 125 | 3NWTSP125 | 470.- | 5 |
| 160 | 3NWTSP160 | 470.- | 5 |
| 200 | 3NWTSP200 | 470.- | 5 |

Offset tag

| Rated current A | Type | Unit MRP* ₹ | Std. pkg.** (nos.) |
|-----------------|-------------|-------------|--------------------|
| 2 | 3NWTIA2 | 120.- | 20 |
| 4 | 3NWTIA4 | 120.- | 20 |
| 6 | 3NWTIA6 | 120.- | 20 |
| 10 | ■ 3NWTIA10 | 120.- | 20 |
| 16 | ■ 3NWTIA16 | 120.- | 20 |
| 20 | ■ 3NWTIA20 | 120.- | 20 |
| 25 | ■ 3NWTIA25 | 120.- | 20 |
| 32 | ■ 3NWTIA32 | 120.- | 20 |
| 40 | 3NWTIS40 | 185.- | 20 |
| 50 | ■ 3NWTIS50 | 185.- | 20 |
| 63 | ■ 3NWTIS63 | 185.- | 20 |
| 80 | 3NWTCP80 | 475.- | 10 |
| 100 | ■ 3NWTCP100 | 475.- | 10 |
| 125 | 3NWTFP125 | 725.- | 5 |
| 160 | 3NWTFP160 | 725.- | 5 |
| 200 | 3NWTFP200 | 725.- | 5 |

Central tag

| Rated current A | Type | Unit MRP* ₹ | Std. pkg.** (nos.) |
|-----------------|------------|-------------|--------------------|
| 80 | 3NWTSDC80 | 350.- | 10 |
| 100 | 3NWTSDC100 | 350.- | 10 |
| 125 | 3NWTSF125 | 475.- | 5 |
| 160 | 3NWTSF160 | 475.- | 5 |
| 200 | 3NWTSF200 | 475.- | 5 |
| 250 | 3NWTSK250 | 855.- | 1 |
| 315 | 3NWTSK315 | 855.- | 1 |
| 355 | 3NWTSMS355 | 1425.- | 1 |
| 400 | 3NWTSMS400 | 1425.- | 1 |
| 450 | 3NWTST5450 | 1455.- | 1 |
| 500 | 3NWTST5500 | 1455.- | 1 |
| 560 | 3NWTSL5560 | 2350.- | 1 |
| 630 | 3NWTSL5630 | 2350.- | 1 |
| 800 | 3NWTSL800 | 3395.- | 1 |

Central tag

| Rated current A | Type | Unit MRP* ₹ | Std. pkg.** (nos.) |
|-----------------|---------|-------------|--------------------|
| 80 | 3NWT80 | 510.- | 10 |
| 100 | 3NWT100 | 510.- | 10 |
| 125 | 3NWT125 | 790.- | 5 |
| 160 | 3NWT160 | 790.- | 5 |
| 200 | 3NWT200 | 790.- | 5 |
| 250 | 3NWT250 | 1130.- | 1 |
| 315 | 3NWT315 | 1130.- | 1 |
| 355 | 3NWT355 | 1560.- | 1 |
| 400 | 3NWT400 | 1560.- | 1 |
| 500 | 3NWT500 | 2450.- | 1 |
| 630 | 3NWT630 | 3240.- | 1 |
| 710 | 3NWT710 | 3695.- | 1 |
| 800 | 3NWT800 | 3695.- | 1 |

Fuse holders (for fuses type 3NW TIA, TSA, TIS, TSS, TSDS)

| Rated current A | Type | Unit MRP* ₹ | Std. pkg.** (nos.) |
|-----------------|-----------|-------------|--------------------|
| 32 | 3NWC32F9 | 1425.- | 10 |
| 63 | 3NWC63F9 | 1675.- | 10 |
| 100 | 3NWC100F9 | 1840.- | 10 |

Fuse holders (for fuses Type 3NW NS) & Isolating link

| Rated current A | Type | Unit MRP* ₹ | Std. pkg.** (nos.) |
|-----------------|-------------|-------------|--------------------|
| 20 | ■ 3NW20NNSF | 175.- | 10 |
| 32 | ■ 3NW32NNSF | 215.- | 10 |
| 32A (Iso. Link) | ■ 3NW32NNSL | 95.- | 10 |

** Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

■ Stock items

* MRP - Maximum Retail Price

Please order in multiples of standard packing.

Fuses for semiconductor protection - SITOR 3NE / 3NC

- Current Range upto 2400A
- Operating voltage: 500V - 2500V AC
- Suitable for mounting in fuse base / SDF / busbars



3NE9 type
600 V AC



3NE4 type

| Rated voltage V | Rated current (A) | Type | Utilization category | DIN size | Unit LP* ₹ | Std. pkg.** (nos.) |
|-----------------|-------------------|------------|----------------------|----------|------------|--------------------|
| 1000 | 32 | ■ 3NE4101 | gR | 1 | 1730.- | 1 |
| | 40 | ■ 3NE4102 | gR | 1 | 1735.- | 1 |
| | 50 | ■ 3NE4117 | gR | 1 | 1820.- | 1 |
| | 80 | ■ 3NE4120 | aR | 1 | 1965.- | 1 |
| | 100 | ■ 3NE4121 | aR | 1 | 2155.- | 1 |
| | 125 | ■ 3NE4122 | aR | 1 | 2315.- | 1 |
| | 160 | ■ 3NE4124 | aR | 1 | 2550.- | 1 |
| 800 | 250 | ■ 3NE43276 | aR | - | 5155.- | 1 |
| | 315 | ■ 3NE43306 | aR | - | 5320.- | 1 |
| | 450 | ■ 3NE43336 | aR | - | 5565.- | 1 |
| | 500 | ■ 3NE43346 | aR | - | 5610.- | 1 |
| | 710 | ■ 3NE43376 | aR | - | 6100.- | 1 |

| Rated current (A) | Type | Utilization category | Size | Unit LP* ₹ | Std. pkg.** (nos.) |
|-------------------|----------|----------------------|------|------------|--------------------|
| 850 | 3NE94406 | gR | - | 20290.- | 3 |
| 1250 | 3NE9450 | aR | - | 19120.- | 3 |



3NE8 type¹⁾
690 V AC



| Rated current (A) | Type | Utilization category | Size | Unit LP* ₹ | Std. pkg.** (nos.) |
|-------------------|----------|----------------------|------|------------|--------------------|
| 25 | 3NE80151 | gR | 00 | 3380.- | 3 |
| 35 | 3NE80031 | gR | 00 | 3380.- | 3 |
| 50 | 3NE80171 | gR | 00 | 3380.- | 3 |
| 63 | 3NE80181 | gR | 00 | 3380.- | 3 |
| 80 | 3NE80201 | aR | 00 | 3760.- | 3 |
| 100 | 3NE80211 | aR | 00 | 3930.- | 3 |
| 125 | 3NE80221 | aR | 00 | 3990.- | 3 |
| 160 | 3NE80241 | aR | 00 | 4380.- | 3 |

3NE1 type¹⁾
690 V AC



| Rated current (A) | Type | Utilization category | DIN Size | Unit LP* ₹ | Std. pkg.** (nos.) |
|-------------------|----------|----------------------|----------|------------|--------------------|
| 16 | 3NE18130 | gS | 000 | 3990.- | 3 |
| 20 | 3NE18140 | gS | 000 | 3990.- | 3 |
| 25 | 3NE18150 | gS | 000 | 3990.- | 3 |
| 35 | 3NE18030 | gS | 000 | 3990.- | 3 |
| 40 | 3NE18020 | gS | 000 | 3990.- | 3 |
| 50 | 3NE18170 | gS | 000 | 3990.- | 3 |
| 63 | 3NE18180 | gS | 000 | 3990.- | 3 |
| 80 | 3NE18200 | gS | 000 | 3990.- | 3 |
| 100 | 3NE10210 | gS | 00 | 5440.- | 3 |
| 125 | 3NE10220 | gS | 00 | 5440.- | 3 |
| 160 | 3NE12240 | gS | 1 | 13185.- | 3 |
| 200 | 3NE12250 | gS | 1 | 13185.- | 3 |
| 250 | 3NE12270 | gS | 1 | 13845.- | 3 |
| 315 | 3NE12300 | gS | 1 | 14845.- | 3 |
| 350 | 3NE13310 | gS | 2 | 18435.- | 3 |
| 400 | 3NE13320 | gS | 2 | 18600.- | 3 |
| 450 | 3NE13330 | gS | 2 | 18710.- | 3 |
| 500 | 3NE13340 | gS | 2 | 18995.- | 3 |
| 560 | 3NE14350 | gS | 3 | 19095.- | 3 |
| 630 | 3NE14360 | gS | 3 | 19925.- | 3 |
| 710 | 3NE14370 | gS | 3 | 20720.- | 3 |
| 800 | 3NE14380 | gS | 3 | 24275.- | 3 |

3NE8 type
690 V AC / 700V DC



| Rated current (A) | Type | Utilization category | Size | Unit LP* ₹ | Std. pkg.** (nos.) |
|-------------------|----------|----------------------|------|--------------|--------------------|
| 20 | 3NE87141 | gR | 000 | upon enquiry | 10 |
| 25 | 3NE87151 | gR | 000 | | 10 |
| 32 | 3NE87011 | gR | 000 | | 10 |
| 40 | 3NE87021 | gR | 000 | | 10 |
| 50 | 3NE87171 | gR | 000 | | 10 |
| 63 | 3NE87181 | aR | 000 | | 10 |
| 80 | 3NE87201 | aR | 000 | | 10 |
| 100 | 3NE87211 | aR | 000 | | 10 |
| 125 | 3NE87221 | aR | 000 | | 10 |
| 160 | 3NE87241 | aR | 000 | | 10 |
| 200 | 3NE87251 | aR | 000 | | 10 |
| 250 | 3NE87271 | aR | 000 | | 10 |
| 315 | 3NE87311 | aR | 000 | | 10 |

** Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

■ Stock items

* LP - List Price

Please order in multiples of standard packing.

Note: For current ratings > 1600A ,Operating voltage > 2000V AC please contact our nearest sales office.

¹⁾ Suitable for mounting on fuse base / 3KL8 / 3NP1

Fuses for semiconductor protection - SITOR 3NE / 3NC



3NE3 type
1000 V AC

| Rated current (A) | Type | Utilization category | DIN Size | Unit LP* ₹ | Std. pkg.** (nos.) |
|-------------------|-----------|----------------------|----------|------------|--------------------|
| 100 | 3NE3221 | aR | 1 | 9470.- | 3 |
| 125 | 3NE3222 | aR | 1 | 9740.- | 3 |
| 160 | 3NE3224 | aR | 1 | 9740.- | 3 |
| 200 | 3NE3225 | aR | 1 | 9905.- | 3 |
| 250 | 3NE3227 | aR | 1 | 10165.- | 3 |
| 315 | 3NE32300B | aR | 1 | 10580.- | 3 |
| 350 | 3NE3231 | aR | 1 | 12565.- | 3 |
| 400 | 3NE32320B | aR | 1 | 13460.- | 3 |
| 450 | 3NE3233 | aR | 1 | 13935.- | 3 |
| 400 | 3NE33320B | aR | 2 | 13585.- | 3 |
| 450 | 3NE3333 | aR | 2 | 14305.- | 3 |
| 500 | 3NE33340B | aR | 2 | 14575.- | 3 |
| 560 | 3NE3335 | aR | 2 | 15125.- | 3 |
| 630 | 3NE3336 | aR | 2 | 15845.- | 3 |
| 710 [^] | 3NE33378 | aR | 2 | 23500.- | 3 |
| 800 [^] | 3NE33388 | aR | 2 | 24150.- | 3 |
| 900 [^] | 3NE33408 | aR | 2 | 28765.- | 3 |
| 100 | 3NE34210C | aR | 3 | 19280.- | 3 |
| 224 | 3NE36260C | aR | 3 | 19380.- | 3 |
| 315 | 3NE34300C | aR | 3 | 20735.- | 3 |
| 400 | 3NE34320C | aR | 3 | 21950.- | 3 |
| 450 | 3NE36350C | aR | 3 | 23290.- | 3 |
| 500 | 3NE34340C | aR | 3 | 27870.- | 3 |
| 630 | 3NE36360C | aR | 3 | 32245.- | 3 |
| 710 | 3NE36370C | aR | 3 | 33425.- | 3 |

[^] 710A: 900V AC; 800A: 800V AC; 900A: 690V AC

3NE5 type
1500 V AC

| Rated current (A) | Type | Utilization category | DIN Size | Unit LP* ₹ | Std. pkg.** (nos.) |
|-------------------|-----------|----------------------|----------|------------|--------------------|
| 160 | 3NE54240C | aR | 3 | 28835.- | 2 |
| 224 | 3NE54260C | aR | 3 | 31545.- | 2 |
| 250 | 3NE56270C | aR | 3 | 29265.- | 3 |
| 315 | 3NE54300C | aR | 3 | 30130.- | 2 |
| 350 | 3NE54310C | aR | 3 | 28170.- | 2 |
| 450 | 3NE56330C | aR | 3 | 31740.- | 3 |
| 600 | 3NE56430C | aR | 3 | 33290.- | 3 |



3NE7 type
2000 V AC

| Rated current (A) | Type | Utilization category | DIN Size | Unit LP* ₹ | Std. pkg.** (nos.) |
|-------------------|-----------|----------------------|----------|--------------|--------------------|
| 200 | 3NE74250U | aR | 3 | Upon Enquiry | 2 |
| 250 | 3NE74270U | aR | 3 | Upon Enquiry | 2 |
| 350 | 3NE74310U | aR | 3 | Upon Enquiry | 2 |
| 400 | 3NE74320U | aR | 3 | Upon Enquiry | 2 |
| 450 | 3NE76331U | aR | 3 | Upon Enquiry | 2 |
| 525 | 3NE76481U | aR | 3 | Upon Enquiry | 2 |
| 630 | 3NE76361U | aR | 3 | Upon Enquiry | 2 |
| 710 | 3NE76371U | aR | 3 | Upon Enquiry | 2 |



3NC type
690V AC[#]

| Rated current (A) | Type | Utilization category | DIN Size | Unit LP* ₹ | Std. pkg.** (nos.) |
|-------------------|-----------|----------------------|----------|------------|--------------------|
| 150 | 3NC84233C | gR | 3 | 19235.- | 3 |
| 200 | 3NC84253C | gR | 3 | 13415.- | 3 |
| 250 | 3NC84273C | gR | 3 | 15350.- | 3 |
| 350 | 3NC84313C | gR | 3 | 15825.- | 3 |
| 500 | 3NC84343C | gR | 3 | 17100.- | 3 |
| 1000 | 3NC84443C | aR | 3 | 31070.- | 3 |

[#] 1000A, 600V AC



Also Available

1. Cylindrical fuse range upto 100A, for both general purpose & Semiconductor protection
 2. Fuses for Photovoltaic application (DC 1000V / 1500V)
 3. D-Type fuse Range upto 100A
- For more details please contact your nearest sales office.

| | |
|---|--|
| Utilization category as per VDE 0636/IEC 60269 | |
| Semiconductor | aR, gR, gS |
| Cable & Conductor | gG |
| Motor | aM |
| 1st letter | 2nd letter |
| a = Partial range of protection (accompanied fuses) | G(-L) = Cable & conductor protection (general purpose fuses) |
| g = Complete range protection (general purpose fuses) | M = Motor protection |
| | R, S = Semiconductor protection |

** Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

* LP - List Price

Please order in multiples of standard DIN packing.

Fuses

Fuseless selection Iq = 50 kA, IS/IEC:60947-4-1 (3VT with 3RT & 3RU)

Suitable for IE2 motors

- The selection is valid only for complete Siemens combinations i.e MCCB + Contactor + Birelay mentioned below.
- In case this combination is changed to accommodate another brand / rating of MCCB / contactor / birelay, it shall be the responsibility of the person making such a change to assure the coordination.**
- Selection is for normal starting conditions with starting time ≤ 6 seconds. (For heavy starting applications e.g. ID/FD fans, reciprocating compressor, ball mills etc., please consult Siemens.)
- MCCB protection setting should be maintained as per below chart.
- For charts with 3VT MCCB for ratings below 75kW, please consult Siemens.
- Recommended selection.

Direct-on-line feeder

| Sr No | kW 415V, 3ph, 50/60 Hz | Rated current IL (A) | Breaking Capacity Iq | Circuit Breaker | | | | Bi-relay | | Contactor | |
|-------|------------------------|----------------------|----------------------|------------------------------------|----------------------|-------------------------|---------------------|-------------------|-----------|-----------|-----|
| | | | | MCCB | Rated current In (A) | Overload Setting Ir (A) | S/C Setting .. X Ir | Type | Range (A) | Type | Amp |
| 1 | 75 | 131 | 50 / 65kA | 3VT3763-3AA36-0AA0 + 3VT9325-6AC00 | 250 | 231 | 12.5 X Ir | 3RU21 56-5DB10-8K | 110 - 160 | 3RT1055 | 150 |
| 2 | 90 | 156 | 50 / 65kA | 3VT3763-3AA36-0AA0 + 3VT9340-6AC00 | 400 | 315 | 12.5 X Ir | 3RU21 56-5EB10-8K | 140 - 200 | 3RT1056 | 185 |
| 3 | 110 | 189 | 50 / 65kA | 3VT3763-3AA36-0AA0 + 3VT9340-6AC00 | 400 | 400 | 12.5 X Ir | 3RU21 66-5FB10-8K | 180 - 250 | 3RT1064 | 225 |
| 4 | 132 | 227 | 50 / 65kA | 3VT3763-3AA36-0AA0 + 3VT9363-6AC00 | 630 | 455 | 12.5 X Ir | 3RU21 66-5GB10-8K | 220 - 320 | 3RT1065 | 265 |
| 5 | 160 | 271 | 50 / 65kA | 3VT3763-3AA36-0AA0 + 3VT9363-6AC00 | 630 | 550 | 12.5 X Ir | 3RU21 66-5GB10-8K | 220 - 320 | 3RT1066 | 300 |
| 6 | 200 | 339 | 50 / 65kA | 3VT3763-3AA36-0AA0 + 3VT9363-6AC00 | 630 | 630 | 12.5 X Ir | 3RU21 76-5HB10-8K | 280 - 400 | 3RT1076 | 500 |
| 7 | 250 | 398 | 50 / 65kA | 3VT3763-3AA36-0AA0 + 3VT9363-6AC00 | 630 | 630 | 12.5 X Ir | 3RU21 76-5JB10-8K | 350 - 500 | 3RT1076 | 500 |

Star-Delta feeder

| Sr No | kW 415V, 3ph, 50/60 Hz | Rated current IL (A) | Phase Current Iph (A) | Breaking Capacity Iq | Circuit Breaker | | | | Bi-relay | | Contactor (Line/Delta) | | Contactor (Star) | |
|-------|------------------------|----------------------|-----------------------|----------------------|------------------------------------|----------------------|-------------------------|---------------------|-------------------|-----------|------------------------|-----|------------------|-----|
| | | | | | MCCB | Rated current In (A) | Overload Setting Ir (A) | S/C Setting .. X Ir | Type | Range (A) | Type | Amp | Type | Amp |
| 1 | 75 | 131 | 75.6 | 50 / 65kA | 3VT3763-3AA36-0AA0 + 3VT9325-6AC00 | 250 | 200 | 12.5 X Ir | 3RU11 46-4LB0 | 70 - 90 | 3RT1055 | 150 | 3RT1044 | 65 |
| 2 | 90 | 156 | 90.1 | 50 / 65kA | 3VT3763-3AA36-0AA0 + 3VT9325-6AC00 | 250 | 231 | 12.5 X Ir | 3RU11 46-4MB0 | 80 - 100 | 3RT1056 | 185 | 3RT1044 | 65 |
| 3 | 110 | 189 | 109 | 50 / 65kA | 3VT3763-3AA36-0AA0 + 3VT9340-6AC00 | 400 | 290 | 12.5 X Ir | 3RU21 56-5CB10-8K | 90 - 125 | 3RT1064 | 225 | 3RT1054 | 115 |
| 4 | 132 | 227 | 131.1 | 50 / 65kA | 3VT3763-3AA36-0AA0 + 3VT9340-6AC00 | 400 | 345 | 12.5 X Ir | 3RU21 56-5DB10-8K | 110 - 160 | 3RT1065 | 265 | 3RT1054 | 115 |
| 5 | 160 | 271 | 156.5 | 50 / 65kA | 3VT3763-3AA36-0AA0 + 3VT9340-6AC00 | 400 | 400 | 12.5 X Ir | 3RU21 56-5EB10-8K | 140 - 200 | 3RT1066 | 300 | 3RT1054 | 115 |
| 6 | 200 | 339 | 195.7 | 50 / 65kA | 3VT3763-3AA36-0AA0 + 3VT9363-6AC00 | 630 | 500 | 12.5 X Ir | 3RU21 56-5FB10-8K | 180 - 250 | 3RT1076 | 500 | 3RT1056 | 185 |
| 7 | 250 | 398 | 229.8 | 50 / 65kA | 3VT3763-3AA36-0AA0 + 3VT9363-6AC00 | 630 | 575 | 12.5 X Ir | 3RU21 56-5GB10-8K | 220 - 320 | 3RT1076 | 500 | 3RT1065 | 265 |

Note: For ratings below 75kW, with SCPD 3RV MPCB, please refer to LV SGR - Motor Control Products Price list page no. 90 or consult nearest Siemens Office.

For Type 2 Co-ordination chart with SCPD 3VA MCCB, please refer to LV SGR - Motor Control Products Price list page no. 90 or consult nearest Siemens Office.

Fuseless selection Iq = 50 kA, IS/IEC:60947-4-1 (3VT with 3TF & 3UA)

Suitable for IE2 motors

- The selection is valid only for complete Siemens combinations i.e MCCB + Contactor + Bi-relay mentioned below.
- In case this combination is changed to accommodate another brand / rating of MCCB / contactor / bi-relay, it shall be the responsibility of the person making such a change to assure the coordination.
- Selection is for normal starting conditions with starting time ≤ 6 seconds. (For heavy starting applications e.g. ID/FD fans, reciprocating compressor, ball mills etc., please consult Siemens.)
- MCCB protection setting should be maintained as per below chart.
- For charts with 3VT MCCB for ratings below 75kW, please consult Siemens.
- Recommended selection.

Direct-on-line feeder

| Sr No | kW 415V, 3ph, 50/60 Hz | Rated current IL (A) | Breaking Capacity Iq | Circuit Breaker | | | | Bi-relay | | Contactor | |
|-------|------------------------|----------------------|----------------------|------------------------------------|----------------------|-------------------------|---------------------|-------------|-----------|-----------|-----|
| | | | | MCCB | Rated current In (A) | Overload Setting Ir (A) | S/C Setting .. X Ir | Type | Range (A) | Type | Amp |
| 1 | 75 | 131 | 50 / 65kA | 3VT3763-3AA36-0AA0 + 3VT9325-6AC00 | 250 | 231 | 12.5 X Ir | 3UA62 30-5A | 85 - 135 | 3TF52 | 170 |
| 2 | 90 | 156 | 50 / 65kA | 3VT3763-3AA36-0AA0 + 3VT9340-6AC00 | 400 | 315 | 12.5 X Ir | 3UA62 30-5B | 115-180 | 3TF53 | 205 |
| 3 | 110 | 189 | 50 / 65kA | 3VT3763-3AA36-0AA0 + 3VT9340-6AC00 | 400 | 400 | 12.5 X Ir | 3UA62 30-5C | 160 - 250 | 3TF53 | 205 |
| 4 | 132 | 227 | 50 / 65kA | 3VT3763-3AA36-0AA0 + 3VT9363-6AC00 | 630 | 455 | 12.5 X Ir | 3UA62 30-5C | 160 - 250 | 3TF54 | 250 |
| 5 | 160 | 271 | 50 / 65kA | 3VT3763-3AA36-0AA0 + 3VT9363-6AC00 | 630 | 550 | 12.5 X Ir | 3UA62 30-5D | 200 - 320 | 3TF55 | 300 |
| 6 | 200 | 339 | 50 / 65kA | 3VT3763-3AA36-0AA0 + 3VT9363-6AC00 | 630 | 630 | 12.5 X Ir | 3UA62 30-5E | 250 - 400 | 3TF57 | 475 |
| 7 | 250 | 398 | 50 / 65kA | 3VT3763-3AA36-0AA0 + 3VT9363-6AC00 | 630 | 630 | 12.5 X Ir | 3UA68 30-5F | 320 - 500 | 3TF57 | 475 |

Star-Delta feeder

| Sr No | kW 415V, 3ph, 50/60 Hz | Rated current I _L (A) | Phase Current I _{ph} (A) | Breaking Capacity Iq | Circuit Breaker | | | | Bi-relay | | Contactor (Line/Delta) | | Contactor (Star) | |
|-------|------------------------|----------------------------------|-----------------------------------|----------------------|------------------------------------|----------------------|-------------------------|---------------------|---------------|-----------|------------------------|-----|------------------|-----|
| | | | | | MCCB | Rated current In (A) | Overload Setting Ir (A) | S/C Setting .. X Ir | Type | Range (A) | Type | Amp | Type | Amp |
| 1 | 75 | 131 | 75.6 | 50 / 65kA | 3VT3763-3AA36-0AA0 + 3VT9325-6AC00 | 250 | 200 | 12.5 X Ir | 3UA58 00-8Y21 | 70 - 95 | 3TF52 | 170 | 3TF47 | 63 |
| 2 | 90 | 156 | 90.1 | 50 / 65kA | 3VT3763-3AA36-0AA0 + 3VT9325-6AC00 | 250 | 231 | 12.5 X Ir | 3UA58 30-5B | 70 - 95 | 3TF53 | 205 | 3TF47 | 63 |
| 3 | 110 | 189 | 109 | 50 / 65kA | 3VT3763-3AA36-0AA0 + 3VT9340-6AC00 | 400 | 290 | 12.5 X Ir | 3UA58 30-5D | 95 - 120 | 3TF53 | 205 | 3TF50 | 110 |
| 4 | 132 | 227 | 131.1 | 50 / 65kA | 3VT3763-3AA36-0AA0 + 3VT9340-6AC00 | 400 | 345 | 12.5 X Ir | 3UA62 30-5B | 115 - 180 | 3TF54 | 250 | 3TF50 | 110 |
| 5 | 160 | 271 | 156.5 | 50 / 65kA | 3VT3763-3AA36-0AA0 + 3VT9340-6AC00 | 400 | 400 | 12.5 X Ir | 3UA62 30-5B | 115 - 180 | 3TF55 | 300 | 3TF50 | 110 |
| 6 | 200 | 339 | 195.7 | 50 / 65kA | 3VT3763-3AA36-0AA0 + 3VT9363-6AC00 | 630 | 500 | 12.5 X Ir | 3UA62 30-5C | 160 - 250 | 3TF57 | 475 | 3TF52 | 170 |
| 7 | 250 | 398 | 229.8 | 50 / 65kA | 3VT3763-3AA36-0AA0 + 3VT9363-6AC00 | 630 | 575 | 12.5 X Ir | 3UA62 30-5D | 160 - 250 | 3TF57 | 475 | 3TF54 | 250 |

Note: For ratings below 75kW, with SCPD 3RV MPCB, please refer to LV SGR - Motor Control Products Price list page no. 90 or consult nearest Siemens Office.
For Type 2 Co-ordination chart with SCPD 3VA MCCB, please refer to LV SGR - Motor Control Products Price list page no. 90 or consult nearest Siemens Office.

Type-2 Co-ordination Charts

Fuse protected selection type 2, Iq = 50kA, IS/IEC:60947-4-1 (3KL with 3RT & 3RU)

Suitable for IE2 motors

- The selection is valid only for complete Siemens combinations i.e. SDF + DIN Fuse + Contactor + Birelay (+ timer).
- In case this combination is changed to accommodate another brand/rating of SDF/DIN Fuse/Contactor/BMR, it shall be the responsibility of the person making such a change to assure type 2 performance.
- Selection is for normal starting conditions (class 10 feeder). (For heavy starting applications e.g. ID/FD fans, reciprocating compressor, ball mills etc., please consult Siemens.)
- The electronic star-delta timer type 3RP should be used in star-delta feeders.
- SDF: Switch Disconnecter Fuse. All fuses are DIN HRC type.
- Tested Type 2 combinations
- Low LCC = Low Life Cycle Cost

Direct-on-line feeder, for Low LCC

| SL Motor | | SDF | | Fuse | | Contactor | | Bi-Relay | |
|------------------------|---------------------|--------|-----|------------|------|-----------|-------------|------------------|---------------|
| kW 415V, 3ph, 50/60 Hz | I _L Amps | Type | Amp | Type | Amps | Type | Rating Amps | Type | Set-Range Amp |
| 0.37 | 1 | 3KL811 | 20 | 3NA78040RC | 4 | 3RT2015 | 7 | 3RU2116-0KB0 | 0.9 ... 1.25 |
| 0.55 | 1.3 | 3KL811 | 20 | 3NA78040RC | 4 | 3RT2015 | 7 | 3RU2116-1AB0 | 1.1 ... 1.6 |
| 0.75 | 1.9 | 3KL811 | 20 | 3NA78010RC | 6 | 3RT2015 | 7 | 3RU2116-1BB0 | 1.4 ... 2 |
| 1.1 | 2.6 | 3KL811 | 20 | 3NA78010RC | 6 | 3RT2015 | 7 | 3RU2116-1DB0 | 2.2 ... 3.2 |
| 1.5 | 3.7 | 3KL811 | 20 | 3NA78030RC | 10 | 3RT2015 | 7 | 3RU2116-1EB0 | 2.8 ... 4 |
| 2.2 | 4.8 | 3KL811 | 20 | 3NA78050RC | 16 | 3RT2015 | 7 | 3RU2116-1GB0 | 4.5 ... 6.3 |
| 3.7 | 7.8 | 3KL811 | 20 | 3NA78070RC | 20 | 3RT2023 | 9 | 3RU2126-1JB0 | 7...10 |
| 5.5 | 11.2 | 3KL812 | 32 | 3NA78100RC | 25 | 3RT2024 | 12 | 3RU2126-1KB0 | 9 ... 12.5 |
| 7.5 | 16 | 3KL812 | 32 | 3NA78120RC | 32 | 3RT2025 | 17 | 3RU2126-4AB0 | 11 ... 16 |
| 11 | 20.8 | 3KL815 | 63 | 3NA78200RC | 50 | 3RT2026 | 25 | 3RU2126-4DB0 | 20 ... 25 |
| 15 | 28 | 3KL815 | 63 | 3NA78220RC | 63 | 3RT2027 | 32 | 3RU2126-4EB0 | 27 ... 32 |
| 18.5 | 34 | 3KL821 | 100 | 3NA78240RC | 80 | 3RT2035 | 40 | 3RU2136-4FB0 | 28 ... 40 |
| 22 | 40 | 3KL821 | 100 | 3NA78240RC | 80 | 3RT2036 | 50 | 3RU2136-4GB0 | 36 ... 45 |
| 30 | 53 | 3KL821 | 100 | 3NA78300RC | 100 | 3RT2037 | 65 | 3RU2136-4QB0 | 47 ... 57 |
| 37 | 65 | 3KL822 | 125 | 3NA78320RC | 125 | 3RT2038 | 80 | 3RU2136-4KB0 | 62 ... 73 |
| 45 | 78 | 3KL822 | 125 | 3NA78320RC | 125 | 3RT2038 | 80 | 3RU2136-4RB0 | 70 ... 80 |
| 55 | 96 | 3KL823 | 160 | 3NA78360RC | 160 | 3RT1054 | 115 | 3RU1146-4MB0 | 80 ... 100 |
| 75 | 132 | 3KL831 | 200 | 3NA71400RC | 200 | 3RT1055 | 150 | 3RU2156-5DB10-8K | 110 ... 160 |
| 90 | 160 | 3KL832 | 250 | 3NA71440RC | 250 | 3RT1056 | 185 | 3RU2156-5EB10-8K | 140 ... 200 |
| 110 | 195 | 3KL832 | 250 | 3NA71440RC | 250 | 3RT1064 | 225 | 3RU2166-5FB10-8K | 180 ... 250 |
| 132 | 230 | 3KL833 | 315 | 3NA72520RC | 315 | 3RT1065 | 265 | 3RU2166-5FB10-8K | 180 ... 250 |
| 160 | 280 | 3KL834 | 400 | 3NA72600RC | 400 | 3RT1066 | 300 | 3RU2166-5GB10-8K | 220 ... 320 |
| 200 | 350 | 3KL841 | 500 | 3NA33650RC | 500 | 3RT1075 | 400 | 3RU2176-5HB10-8K | 280 ... 400 |
| 250 | 430 | 3KL841 | 500 | 3NA33650RC | 500 | 3RT1076 | 500 | 3RU2176-5JB10-8K | 350 ... 500 |

Star-Delta feeder, for Low LCC

| SL Motor | | | SDF | | HRC Fuses | | Contactor Line/Delta | | Contactor Star | | Bi-Relay | | Timer |
|------------------------|---------------------|----------------------|--------|-------------|------------|-------------|----------------------|-------------|----------------|-------------|------------------|---------------|-------|
| kW 415V, 3ph, 50/60 Hz | I _L Amps | I _{Ph} Amps | Type | Rating Amps | Type | Rating Amps | Type | Rating Amps | Type | Rating Amps | Type | Set-Range Amp | Type |
| 4 | 7.8 | 4.5 | 3KL811 | 20 | 3NA78030RC | 10 | 3RT2023 | 9 | 3RT2023 | 9 | 3RU2126-1FB0 | 3.5 ... 5 | 3RP15 |
| 5.5 | 11.2 | 6.5 | 3KL811 | 20 | 3NA78050RC | 16 | 3RT2023 | 9 | 3RT2023 | 9 | 3RU2126-1HB0 | 5.5 ... 8 | 3RP15 |
| 7.5 | 16 | 9.2 | 3KL811 | 20 | 3NA78070RC | 20 | 3RT2024 | 12 | 3RT2023 | 9 | 3RU2126-1JB0 | 7 ... 10 | 3RP15 |
| 11 | 20.8 | 12 | 3KL812 | 32 | 3NA78100RC | 25 | 3RT2024 | 12 | 3RT2023 | 9 | 3RU2126-1KB0 | 9 ... 12.5 | 3RP15 |
| 15 | 28 | 16.2 | 3KL812 | 32 | 3NA78120RC | 32 | 3RT2026 | 25 | 3RT2025 | 17 | 3RU2126-4BB0 | 14 ... 20 | 3RP15 |
| 18.5 | 34 | 19.7 | 3KL815 | 63 | 3NA78200RC | 50 | 3RT2027 | 32 | 3RT2026 | 25 | 3RU2126-4CB0 | 17 ... 22 | 3RP15 |
| 22 | 40 | 23.2 | 3KL815 | 63 | 3NA78200RC | 63 | 3RT2035 | 40 | 3RT2026 | 25 | 3RU2136-4DB0 | 18 ... 25 | 3RP15 |
| 30 | 53 | 30.6 | 3KL821 | 100 | 3NA78220RC | 80 | 3RT2035 | 40 | 3RT2026 | 25 | 3RU2136-4EB0 | 22 ... 32 | 3RP15 |
| 37 | 65 | 37.5 | 3KL821 | 100 | 3NA78240RC | 80 | 3RT2035 | 40 | 3RT2027 | 32 | 3RU2136-4FB0 | 28 ... 40 | 3RP15 |
| 45 | 78 | 45 | 3KL821 | 100 | 3NA78300RC | 100 | 3RT2036 | 50 | 3RT2028 | 40 | 3RU2136-4HB0 | 40 ... 50 | 3RP15 |
| 55 | 96 | 55.4 | 3KL821 | 100 | 3NA78300RC | 100 | 3RT2037 | 65 | 3RT2035 | 40 | 3RU2136-4JB0 | 54 ... 65 | 3RP15 |
| 75 | 131 | 75.6 | 3KL823 | 160 | 3NA78360RC | 160 | 3RT2038 | 80 | 3RT2037 | 65 | 3RU2136-4RB0 | 70 ... 80 | 3RP15 |
| 90 | 156 | 90.1 | 3KL823 | 160 | 3NA78360RC | 160 | 3RT1046 | 95 | 3RT1044 | 65 | 3RU1146-4MB0 | 80 ... 100 | 3RP15 |
| 110 | 195 | 113 | 3KL831 | 200 | 3NA71400RC | 200 | 3RT1054 | 115 | 3RT1054 | 115 | 3RU2156-5CB10-8K | 90 ... 125 | 3RP15 |
| 132 | 230 | 133 | 3KL832 | 250 | 3NA71440RC | 250 | 3RT1055 | 150 | 3RT1054 | 115 | 3RU2156-5DB10-8K | 110 ... 160 | 3RP15 |
| 160 | 280 | 162 | 3KL833 | 315 | 3NA72520RC | 315 | 3RT1056 | 185 | 3RT1054 | 115 | 3RU2156-5EB10-8K | 140 ... 200 | 3RP15 |
| 200 | 350 | 202 | 3KL834 | 400 | 3NA72600RC | 400 | 3RT1064 | 225 | 3RT1056 | 185 | 3RU2166-5FB10-8K | 180 ... 250 | 3RP15 |
| 250 | 430 | 248 | 3KL841 | 500 | 3NA33650RC | 500 | 3RT1065 | 265 | 3RT1065 | 265 | 3RU2166-5GB10-8K | 220 ... 320 | 3RP15 |

Type-2 Co-ordination Charts

Fuse protected selection type 2, Iq = 50kA, IS/IEC:60947-4-1 (3KL with 3TF & 3UA)

Suitable for IE2 motors

- The selection is valid only for complete Siemens combinations i.e. SDF + DIN Fuse + Contactor + Bi-relay (+ timer).
- In case this combination is changed to accommodate another brand/rating of SDF/DIN Fuse/Contactor/BMR, it shall be the responsibility of the person making such a change to assure type 2 performance.
- Selection is for normal starting conditions with starting time ≤ 6 seconds. (For heavy starting applications e.g. ID/FD fans, reciprocating compressor, ball mills etc., please consult Siemens.)
- At 60°C service temperature the bi-relay has to be derated. The bi-relay can be used upto the maximum current setting indicated. For example - A bi-relay with setting 32-50A, at 60°C can be used only upto 47A. This however does not mean that at 60°C, the 50A setting corresponds to 47A. It means that, the bi-relay should not be set beyond 47A.
- The electronic star-delta timer type 3RP should be used in star-delta feeders.
- SDF: Switch Disconnecter Fuse. All fuses are DIN HRC type.
- Tested Type 2 combinations
- Low LCC = Low Life Cycle Cost

Direct-on-line feeder, for Low LCC

| SL Motor | Motor | SDF | | HRC Fuse | | Contactor | | Bi-Relay | | Bi-Relay | |
|--------------------|--------------------|--------|--------|------------|-----|-----------|-----|--------------|---------------|--------------|-------------------------|
| kW 415V, 3ph, 50Hz | I _L Amp | Type | Rating | Type | Amp | Type | Amp | Type (50°C) | Set-Range Amp | Type (60°C) | Available Set-Range Amp |
| 0.37 | 1 | 3KL811 | 20 | 3NA78040RC | 4 | 3TF30 | 9 | 3UA5000-0K | 0.8 - 1.25 | 3UA5000-0K | 0.8 - 1.17 |
| 0.55 | 1.3 | 3KL811 | 20 | 3NA78040RC | 4 | 3TF30 | 9 | 3UA5000-1A | 1 - 1.6 | 3UA5000-1A | 1 - 1.5 |
| 0.75 | 1.9 | 3KL811 | 20 | 3NA78010RC | 6 | 3TF30 | 9 | 3UA5000-1B | 1.25 - 2 | 3UA5000-1C | 1.6 - 2.3 |
| 1.1 | 2.6 | 3KL811 | 20 | 3NA78010RC | 6 | 3TF30 | 9 | 3UA5000-1D | 2 - 3.2 | 3UA5000-1D | 2 - 3 |
| 1.5 | 3.7 | 3KL811 | 20 | 3NA78030RC | 10 | 3TF30 | 9 | 3UA5000-1E | 2.5 - 4 | 3UA5000-1E | 2.5 - 3.7 |
| 2.2 | 4.8 | 3KL811 | 20 | 3NA78050RC | 16 | 3TF30 | 9 | 3UA5000-1F | 3.2 - 5 | 3UA5000-1G | 4 - 5.9 |
| 3.7 | 7.8 | 3KL811 | 20 | 3NA78070RC | 20 | 3TF30 | 9 | 3UA5000-1H | 5 - 8 | 3UA5000-1J | 6.3 - 9.4 |
| 5.5 | 11.2 | 3KL812 | 32 | 3NA78100RC | 25 | 3TF31 | 12 | 3UA5000-1K | 8 - 12.5 | 3UA5000-1K | 8 - 11.7 |
| 7.5 | 16 | 3KL812 | 32 | 3NA78120RC | 32 | 3TF32 | 16 | 3UA5200-2A | 10 - 16 | 3UA5200-2B | 12.5 - 18.7 |
| 9.3 | 19 | 3KL815 | 63 | 3NA78200RC | 50 | 3TF34 | 32 | 3UA5500-2B | 12.5 - 20 | 3UA5500-2C | 16 - 23.4 |
| 11 | 20.8 | 3KL815 | 63 | 3NA78200RC | 50 | 3TF34 | 32 | 3UA5500-2C | 16 - 25 | 3UA5500-2C | 16 - 23.4 |
| 15 | 28 | 3KL815 | 63 | 3NA78220RC | 63 | 3TF34 | 32 | 3UA5500-2D | 20 - 32 | 3UA5500-2D | 20 - 30 |
| 18.5 | 34 | 3KL815 | 63 | 3NA78220RC | 63 | 3TF35 | 38 | 3UA5500-2Q | 25 - 36 | 3UA5500-2R | 32 - 37.4 |
| 22 | 40 | 3KL821 | 100 | 3NA78240RC | 80 | 3TF46 | 45 | 3UA5800-2FZ1 | 32 - 50 | 3UA5800-2FZ1 | 32 - 47 |
| 30 | 53 | 3KL821 | 100 | 3NA78300RC | 100 | 3TF47 | 63 | 3UA5800-2TZ1 | 40 - 57 | 3UA5800-2PZ1 | 50 - 59 |
| 37 | 65 | 3KL822 | 125 | 3NA78320RC | 125 | 3TF477 | 70 | 3UA5800-2VZ2 | 57 - 70 | 3UA5800-2VZ2 | 57 - 65.5 |
| 45 | 78 | 3KL822 | 125 | 3NA78320RC | 125 | 3TF49 | 85 | 3UA5800-8YZ1 | 70 - 95 | 3UA5800-8YZ1 | 70 - 88.9 |
| 55 | 96 | 3KL823 | 160 | 3NA78360RC | 160 | 3TF50 | 110 | 3UA5830-5C | 85 - 105 | 3UA5830-5C | 85 - 98.2 |
| 75 | 131 | 3KL831 | 200 | 3NA71400RC | 200 | 3TF51 | 140 | 3UA6230-5A | 85 - 135 | 3UA6230-5B | 115 - 168 |
| 90 | 156 | 3KL832 | 250 | 3NA71440RC | 250 | 3TF52 | 170 | 3UA6230-5B | 115 - 180 | 3UA6230-5B | 115 - 168 |
| 110 | 189 | 3KL832 | 250 | 3NA71440RC | 250 | 3TF53 | 205 | 3UA6230-5C | 160 - 250 | 3UA6230-5C | 160 - 234 |
| 132 | 227 | 3KL833 | 315 | 3NA72520RC | 315 | 3TF54 | 250 | 3UA6230-5C | 160 - 250 | 3UA6230-5C | 160 - 234 |
| 160 | 271 | 3KL834 | 400 | 3NA72600RC | 400 | 3TF55 | 300 | 3UA6230-5D | 200 - 320 | 3UA6230-5D | 200 - 299 |
| 200 | 339 | 3KL841 | 500 | 3NA33650RC | 500 | 3TF56 | 400 | 3UA6230-5E | 250 - 400 | 3UA6230-5E | 250 - 374 |
| 250 | 398 | 3KL841 | 500 | 3NA33650RC | 500 | 3TF57 | 475 | 3UA6830-5F | 320 - 500 | 3UA6830-5F | 320 - 468 |

Star-Delta feeder, for Low LCC

| SL Motor | Motor | | SDF | | HRC Fuses | | Contactor Line/Delta | | Contactor Star | | Bi-Relay | | Bi-Relay | | Timer |
|--------------------|---------------------|---------------------|--------|--------|------------|-----|----------------------|-----|----------------|-----|--------------|---------------|--------------|-------------------------|-------|
| kW 415V, 3ph, 50Hz | I _L Amp. | I _{ph} Amp | Type | Rating | Type | Amp | Type | Amp | Type | Amp | Type (50°C) | Set-Range Amp | Type (60°C) | Available Set-Range Amp | Type |
| 3.7 | 7.8 | 4.5 | 3KL811 | 20 | 3NA78030RC | 10 | 3TF30 | 9 | 3TF30 | 9 | 3UA5000-1F | 3.2-5 | 3UA5000-1F | 3.2-4.7 | 3RP15 |
| 5.5 | 11.2 | 6.5 | 3KL811 | 20 | 3NA78050RC | 16 | 3TF30 | 9 | 3TF30 | 9 | 3UA5000-1H | 5-8 | 3UA5000-1H | 5-7.5 | 3RP15 |
| 7.5 | 16 | 9.2 | 3KL811 | 20 | 3NA78070RC | 20 | 3TF31 | 12 | 3TF30 | 9 | 3UA5000-1J | 6.3-10 | 3UA5000-1J | 6.3-9.4 | 3RP15 |
| 9.3 | 19 | 11 | 3KL812 | 32 | 3NA78100RC | 25 | 3TF31 | 12 | 3TF30 | 9 | 3UA5000-1K | 8-12.5 | 3UA5000-1K | 8-11.7 | 3RP15 |
| 11 | 20.8 | 12 | 3KL812 | 32 | 3NA78100RC | 25 | 3TF31 | 12 | 3TF30 | 9 | 3UA5000-1K | 8-12.5 | 3UA5000-2S | 10-13.6 | 3RP15 |
| 15 | 28 | 16.2 | 3KL812 | 32 | 3NA78120RC | 32 | 3TF33 | 22 | 3TF32 | 16 | 3UA5200-2B | 12.5-20 | 3UA5200-2B | 12.5-18.7 | 3RP15 |
| 18.5 | 34 | 19.7 | 3KL815 | 63 | 3NA78200RC | 50 | 3TF34 | 32 | 3TF34 | 32 | 3UA5500-2B | 12.5-20 | 3UA5500-2C | 16-23.4 | 3RP15 |
| 22 | 40 | 23.2 | 3KL815 | 63 | 3NA78200RC | 50 | 3TF34 | 32 | 3TF34 | 32 | 3UA5500-2C | 16-25 | 3UA5500-2D | 22-30 | 3RP15 |
| 30 | 53 | 30.6 | 3KL815 | 63 | 3NA78220RC | 63 | 3TF34 | 32 | 3TF34 | 32 | 3UA5500-2D | 20-32 | 3UA5500-2Q | 25-33.7 | 3RP15 |
| 37 | 65 | 37.5 | 3KL821 | 100 | 3NA78240RC | 80 | 3TF35 | 38 | 3TF34 | 32 | 3UA5500-2R | 32-40 | 3UA5500-8M | 36-45 | 3RP15 |
| 45 | 78 | 45 | 3KL821 | 100 | 3NA78300RC | 100 | 3TF46 | 45 | 3TF34 | 32 | 3UA5800-2FZ1 | 32-50 | 3UA5800-2FZ1 | 32-47 | 3RP15 |
| 55 | 96 | 55.4 | 3KL821 | 100 | 3NA78300RC | 100 | 3TF47 | 63 | 3TF34 | 32 | 3UA5800-2TZ1 | 40-57 | 3UA5800-2PZ1 | 50-59 | 3RP15 |
| 75 | 131 | 75.6 | 3KL823 | 160 | 3NA78360RC | 160 | 3TF49 | 85 | 3TF47 | 63 | 3UA5800-8YZ1 | 70-95 | 3UA5800-8YZ1 | 70-88.9 | 3RP15 |
| 90 | 156 | 90.1 | 3KL823 | 160 | 3NA78360RC | 160 | 3TF50 | 110 | 3TF47 | 63 | 3UA5830-5B | 70-95 | 3UA5830-5C | 85-98.2 | 3RP15 |
| 110 | 189 | 109 | 3KL831 | 200 | 3NA71400RC | 200 | 3TF50 | 110 | 3TF50 | 110 | 3UA5830-5D | 95-120 | 3UA5830-5D | 95-112 | 3RP15 |
| 132 | 227 | 131.1 | 3KL832 | 250 | 3NA71440RC | 250 | 3TF51 | 140 | 3TF50 | 110 | 3UA6230-5B | 115-180 | 3UA6230-5B | 115-168 | 3RP15 |
| 160 | 271 | 156.5 | 3KL833 | 315 | 3NA72520RC | 315 | 3TF52 | 170 | 3TF50 | 110 | 3UA6230-5B | 115-180 | 3UA6230-5B | 115-168 | 3RP15 |
| 200 | 339 | 195.7 | 3KL834 | 400 | 3NA72600RC | 400 | 3TF54 | 250 | 3TF52 | 170 | 3UA6230-5C | 160-250 | 3UA6230-5C | 160-234 | 3RP15 |
| 250 | 398 | 229.8 | 3KL841 | 500 | 3NA72600RC | 400 | 3TF54 | 250 | 3TF54 | 250 | 3UA6230-5C | 160-250 | 3UA6230-5D | 200-299 | 3RP15 |

Type-2 Co-ordination Charts



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| 3VT2 | Spreader Links - 3pole | 3VT92004EG30 | 3VT9200-4ED30-ORCO |
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|------|-------------------|-----------------------------|-------------------|---------------------|
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| 00 | 160 | 3NA7 8 | 3NH3032 | 3NH3032-ORC |
| 1 | 250 | 3NA7 1 | 3NH3230 | 3NH3230-ORC |
| 2 | 400 | 3NA7 2 | 3NH3330 | 3NH3330-ORC |
| 3 | 630 | 3NA3 3 | 3NH3430 | 3NH3430-ORC |

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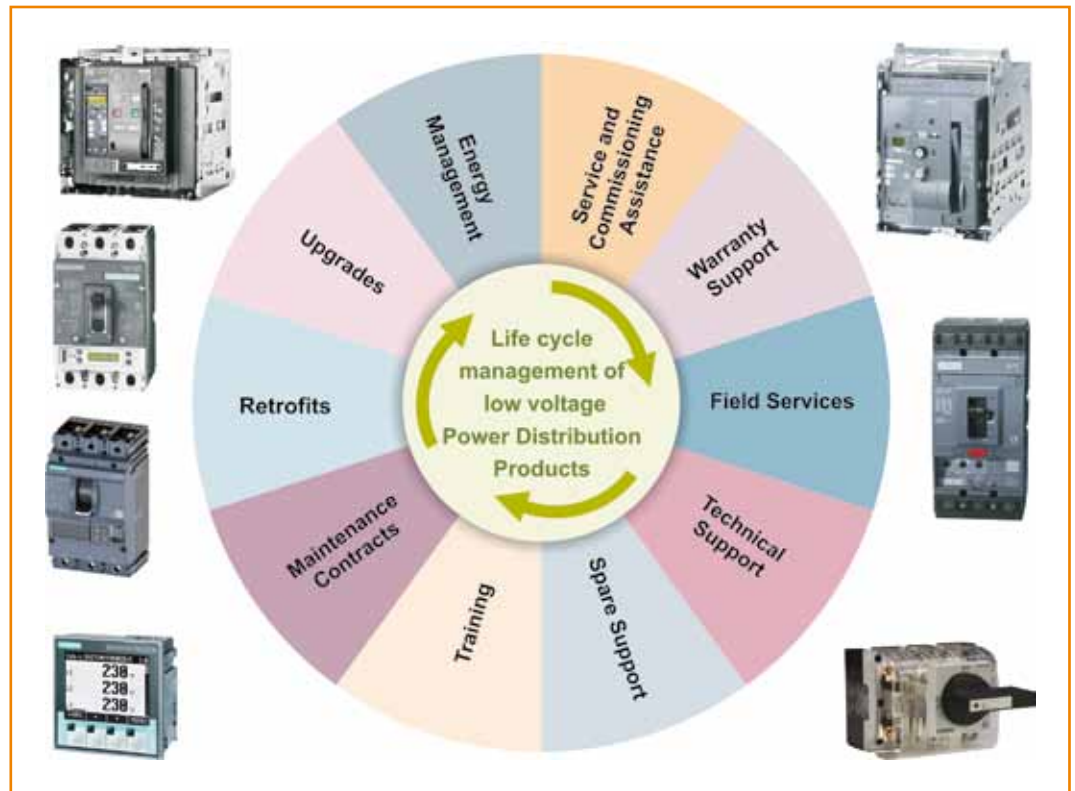
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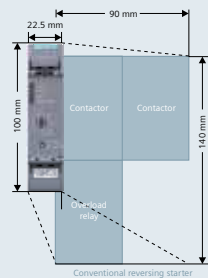
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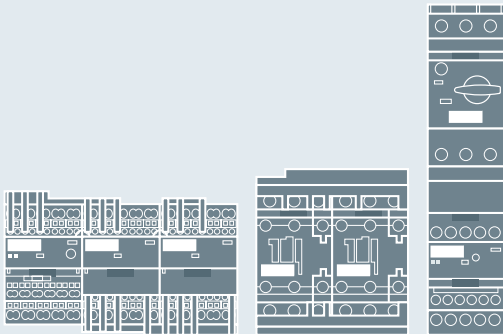
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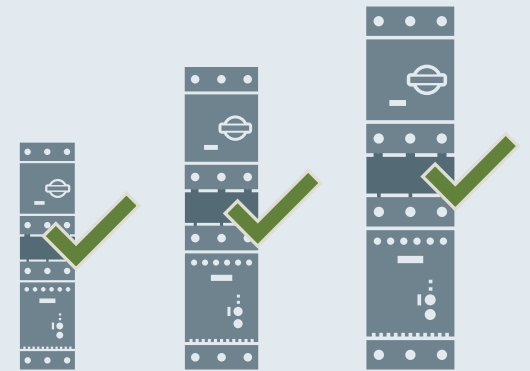
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SIRIUS Modular System

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Contactor Relays (Auxiliary contactors)



3RH2 (S00) with "Mechanically linked contact elements"

Screw terminals

| Size | Operational Current Ie AC-15 at 230V A | Contacts NO | Contacts NC | AC Coil [§] | | | DC Coil [®] | | |
|------|---|----------------|----------------|----------------------|-------------------------|------------------|----------------------|-------------------------|------------------|
| | | | | Type* | Unit LP ¹⁾ ₹ | Std. pkg. (nos.) | Type* | Unit LP ¹⁾ ₹ | Std. pkg. (nos.) |
| S00 | 10 | 4 | - | ■ 3RH2140-1A..0 | 1165.- | 1 | ■ 3RH2140-1B..0 | 1600.- | 1 |
| | | 3 | 1 | ■ 3RH2131-1A..0 | 1165.- | 1 | ■ 3RH2131-1B..0 | 1600.- | 1 |
| | | 2 | 2 | ■ 3RH2122-1A..0 | 1165.- | 1 | ■ 3RH2122-1B..0 | 1600.- | 1 |

§@ Please enter coil codes from table below

* For ordering contactors with spring type terminals, please replace 8th digit from '1' to '2'



Latched Contactor Relays

Screw terminals

| Operational current Ie AC-15 at 230V A | Contacts NO | Contacts NC | AC Coil [§] | | | DC Coil [®] | | |
|---|----------------|----------------|----------------------|-------------------------|------------------|----------------------|-------------------------|------------------|
| | | | Type | Unit LP ¹⁾ ₹ | Std. pkg. (nos.) | Type | Unit LP ¹⁾ ₹ | Std. pkg. (nos.) |
| 10 | 4 | - | ■ 3RH2440-1A..0 | 4120.- | 1 | ■ 3RH2440-1B..0 | 5425.- | 1 |
| | 3 | 1 | ■ 3RH2431-1A..0 | 4120.- | 1 | ■ 3RH2431-1B..0 | 5425.- | 1 |
| | 2 | 2 | ■ 3RH2422-1A..0 | 4120.- | 1 | ■ 3RH2422-1B..0 | 5425.- | 1 |

§@ Please enter coil codes from table below

For Latched Power Contactors refer 3RT accessory "Mechanical Latching Blocks" on page no. 16

Spring type terminals are not available for latched contactor relays.

Rated control supply voltages for 3RH21 & 3RH24

\$ AC coil voltage

| Code | B0 | ■ F0 | ■ P0 |
|-----------------------|----|------|------|
| Coil voltage 50/60 Hz | 24 | 110 | 230 |

@ DC Coil Voltage

| Code | ■ B4 | F4 | M4 |
|--------------|------|-----|-----|
| Coil voltage | 24 | 110 | 220 |

1) For ordering contactors with other than above coil voltages, please add Rs. 150/- to the unit LP of standard contactor.

Please contact nearest sales office for other coil voltages

Contactor Relays (with Low power consumption coil)



Auxiliary Contactor - 3RH21 Coupling Relays

Screw terminals

| Size | Surge Suppressor | Rated operational current Ie AC-15 at 230 V A | Auxiliary contacts | | Type* | Unit LP ₹ | Std. pkg. (nos.) |
|---|---------------------------|--|--------------------|----|---------------|-----------|------------------|
| | | | NO | NC | | | |
| Rated control supply voltage Us =24 V DC, Operating range 0.7 to 1.25xUs, Power Consumption 2.8W at 24V DC | | | | | | | |
| S00 | Built in Suppressor Diode | 10 | 4 | - | 3RH2140-1KB40 | 1995.- | 1 |
| | | | 3 | 1 | 3RH2131-1KB40 | 1995.- | 1 |
| | | | 2 | 2 | 3RH2122-1KB40 | 1995.- | 1 |
| Rated control supply voltage Us =24 V DC, Operating range 0.85 to 1.85xUs, Power Consumption 1.6W at 24V DC | | | | | | | |
| S00 | Built in Suppressor Diode | 10 | 4 | - | 3RH2140-1SB40 | 2840.- | 1 |
| | | | 3 | 1 | 3RH2131-1SB40 | 2840.- | 1 |
| | | | 2 | 2 | 3RH2122-1SB40 | 2840.- | 1 |

* For ordering contactors with spring type terminals, please replace 8th digit from '1' to '2'

Note: 3RH21 Coupling Relays - Add-on Auxiliary contact blocks not applicable

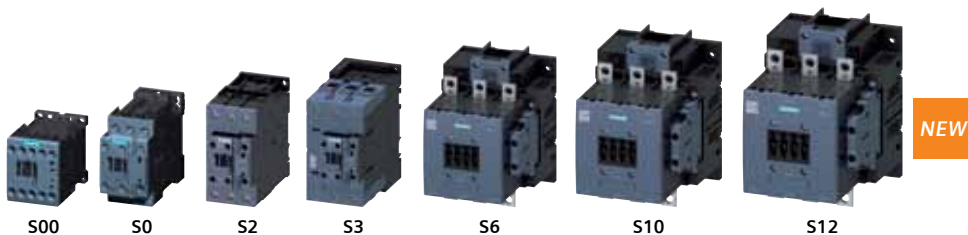
■ Stock items

LP - List Price

Power Contactors

3RT (S00 to S12) with "Mirror contacts elements"

Screw terminals



| Size | AC-3 operational current Ie upto 415V A | Motor rating at 415V, 50Hz kW | Auxiliary contacts | AC Coil ⁵ | | | DC Coil ⁶ | | |
|------|---|-------------------------------|--------------------|----------------------|-------------------------|------------------|----------------------|-------------------------|------------------|
| | | | | Type* | Unit LP ¹⁾ ₹ | Std. pkg. (nos.) | Type* | Unit LP ¹⁾ ₹ | Std. pkg. (nos.) |
| S00 | 7 | 3 | 1NO | ■ 3RT2015-1A..1 | 985.- | 1 | ■ 3RT2015-1B..1 | 1495.- | 1 |
| | | | 1NC | ■ 3RT2015-1A..2 | 985.- | 1 | ■ 3RT2015-1B..2 | 1495.- | 1 |
| | 9 | 4 | 1NO | ■ 3RT2016-1A..1 | 1035.- | 1 | ■ 3RT2016-1B..1 | 1645.- | 1 |
| | | | 1NC | ■ 3RT2016-1A..2 | 1035.- | 1 | ■ 3RT2016-1B..2 | 1645.- | 1 |
| | 12 | 5.5 | 1NO | ■ 3RT2017-1A..1 | 1160.- | 1 | ■ 3RT2017-1B..1 | 1900.- | 1 |
| | | | 1NC | ■ 3RT2017-1A..2 | 1160.- | 1 | ■ 3RT2017-1B..2 | 1900.- | 1 |
| 16 | 7.5 | 1NO | ■ 3RT2018-1A..1 | 1365.- | 1 | ■ 3RT2018-1B..1 | 2295.- | 1 | |
| | | 1NC | ■ 3RT2018-1A..2 | 1365.- | 1 | ■ 3RT2018-1B..2 | 2295.- | 1 | |
| S0 | 25 | 11 | 1NO+1NC | ■ 3RT2026-1A..0 | 2005.- | 1 | ■ 3RT2026-1B..0 | 3610.- | 1 |
| | 32 | 15 | 1NO+1NC | ■ 3RT2027-1A..0 | 3990.- | 1 | ■ 3RT2027-1B..0 | 7455.- | 1 |
| | 38 | 18.5 | 1NO+1NC | ■ 3RT2028-1A..0 | 5765.- | 1 | ■ 3RT2028-1B..0 | 8740.- | 1 |
| | 40 | 18.5 | 1NO+1NC | ■ 3RT2028-1A..00JA0# | 6075.- | 1 | ■ 3RT2028-1B..00JA0# | 9160.- | 1 |

| Size | AC-3 operational current Ie upto 415V A | Motor rating at 415V, 50Hz kW | Auxiliary contacts | AC Coil ⁵ | | | AC/DC Coil ⁶ | | |
|------|---|-------------------------------|--------------------|----------------------|-------------------------|------------------|-------------------------|-------------------------|------------------|
| | | | | Type | Unit LP ¹⁾ ₹ | Std. pkg. (nos.) | Type | Unit LP ¹⁾ ₹ | Std. pkg. (nos.) |
| S2 | 50 | 22 | 1NO+1NC | ■ 3RT2036-1A..0 | 7645.- | 1 | ■ 3RT2036-1N..0 | 12150.- | 1 |
| | 65 | 30 | 1NO+1NC | ■ 3RT2037-1A..0 | 10620.- | 1 | ■ 3RT2037-1N..0 | 13770.- | 1 |
| | 80 | 37 | 1NO+1NC | ■ 3RT2038-1A..0 | 13210.- | 1 | ■ 3RT2038-1N..0 | 17075.- | 1 |
| S3 | 95 | 45 | 1NO+1NC | ■ 3RT2046-1A..0 | 15900.- | 1 | ■ 3RT2046-1N..0 | 20300.- | 1 |
| | 110 | 55 | 1NO+1NC | ■ 3RT2047-1A..0 | 20615.- | 1 | ■ 3RT2047-1N..0 | 26170.- | 1 |

| Size | AC-3 operational current Ie upto 415V A | Motor rating at 415V, 50Hz kW | Auxiliary contacts | AC/DC Coils (Conventional Type) € | | | AC/DC Coils (Solid-state op. mech for 24V DC operation) € | | |
|------|---|-------------------------------|--------------------|-----------------------------------|-----------|------------------|---|-----------|------------------|
| | | | | Type | Unit LP ₹ | Std. pkg. (nos.) | Type | Unit LP ₹ | Std. pkg. (nos.) |
| S6 | 115 | 55 | 2NO+2NC | ■ 3RT10 54-6A.36 8K | 20520.- | 1 | ■ 3RT10 54-6N.36 | 25855.- | 1 |
| | 150 | 75 | 2NO+2NC | ■ 3RT10 55-6A.36 8K | 26860.- | 1 | ■ 3RT10 55-6N.36 | 32750.- | 1 |
| | 185 | 90 | 2NO+2NC | ■ 3RT10 56-6A.36 8K | 35140.- | 1 | ■ 3RT10 56-6N.36 | 41725.- | 1 |
| S10 | 225 | 110 | 2NO+2NC | ■ 3RT10 64-6A.36 8K | 38130.- | 1 | ■ 3RT10 64-6N.36 | 46650.- | 1 |
| | 265 | 132 | 2NO+2NC | ■ 3RT10 65-6A.36 8K | 44205.- | 1 | ■ 3RT10 65-6N.36 | 53210.- | 1 |
| | 300 | 160 | 2NO+2NC | ■ 3RT10 66-6A.36 8K | 51865.- | 1 | ■ 3RT10 66-6N.36 | 61505.- | 1 |
| S12 | 400 | 200 | 2NO+2NC | ■ 3RT10 75-6A.36 8K | 63450.- | 1 | ■ 3RT10 75-6N.36 | 72140.- | 1 |
| | 500 | 250 | 2NO+2NC | ■ 3RT10 76-6A.36 8K | 87845.- | 1 | ■ 3RT10 76-6N.36 | 103075.- | 1 |

\$@€ Please enter coil codes from table below € available with universal operation # 40A Size S0 3RT2028 contactor is available with screw type terminals only
 * For ordering contactors with spring type terminals, please replace 8th digit from '1' to '2' only for size S00, S0

Rated control supply voltages

(For 3RT2 Change the 10th & 11th digit and for 3RT1 Change the 10th digit of Type no.)

\$ - AC operation 50/60Hz

| Contactor type | 3RT20 1 | 3RT20 2 | 3RT20 3 | 3RT20 4 |
|----------------|---------|---------|---------|---------|
| Size | S00 | S0 | S2 | S3 |
| 24 V AC | B0 | C2 | C2 | C2 |
| ■ 110 V AC | F0 | G2 | G2 | G2 |
| ■ 230 V AC | P0 | L2 | L2 | L2 |

@ - DC operation

| Contactor type | 3RT20 1, 3RH2 | 3RT20 2 | 3RT20 3 | 3RT20 4 |
|----------------|---------------|---------|---------|---------|
| Size | S00 | S0 | S2 | S3 |
| ■ 24 V DC | B4 | B4 | - | - |
| 110 V DC | F4 | F4 | - | - |
| 220 V DC | M4 | M4 | - | - |

€ - Universal operation (AC / DC) for 3RT2 S2, S3 and for 3RT1 S6, S10, S12

| Contactor Type | 3RT203.-N | 3RT204.-N | Contactor Type | 3RT1_Conventional Coil | Contactor Type | 3RT1_Solid-State Coil |
|-------------------|-----------|-----------|-------------------|------------------------|-------------------|-----------------------|
| Size | S2 | S3 | Size | S6, S10, S12 | Size | S6, S10, S12 |
| 20...33 V AC/DC | B3 | B3 | 110...127 V AC/DC | F | 96...127 V AC/DC | F |
| 83...155 V AC/DC | F3 | F3 | 220...240 V AC/DC | P | 200...277 V AC/DC | P |
| 175...280 V AC/DC | P3 | P3 | | | | |

1) For ordering contactors with other than above coil voltages, please add Rs. 150/- to the unit LP of standard contactor of the same rating.
 Please contact nearest sales office for other coil voltages

Note: All SIRIUS 3RT20 / 3RT10 contactors (with at least 1 NC auxiliary contact) are tested to "Mirror contacts" characteristics in conjunction with auxiliary contacts ever since the launch of product

■ Stock items

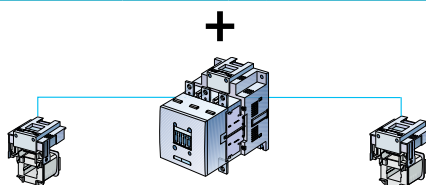
Power Contactors

3RT (S6, S10, S12) with "Mirror contacts elements"

Withdrawable coils and integrated varistor in coil circuit

Contactor without operating coil (Please order coil separately)

| Size | AC-3 operational current Ie upto 415V A | Motor rating at 415V, 50Hz kW | Auxiliary contacts | Type | Unit LP ₹ | Std. pkg. (nos.) |
|------|---|-------------------------------|--------------------|-----------------|-----------|------------------|
| S6 | 115 | 55 | 2NO+2NC | 3RT1054-6LA068K | 16025.- | 1 |
| | 150 | 75 | 2NO+2NC | 3RT1055-6LA068K | 22250.- | 1 |
| | 185 | 90 | 2NO+2NC | 3RT1056-6LA068K | 30420.- | 1 |
| S10 | 225 | 110 | 2NO+2NC | 3RT1064-6LA068K | 31825.- | 1 |
| | 265 | 132 | 2NO+2NC | 3RT1065-6LA068K | 37950.- | 1 |
| | 300 | 160 | 2NO+2NC | 3RT1066-6LA068K | 45680.- | 1 |
| S12 | 400 | 200 | 2NO+2NC | 3RT1075-6LA068K | 52745.- | 1 |
| | 500 | 250 | 2NO+2NC | 3RT1076-6LA068K | 76840.- | 1 |



Coil - Conventional operating mechanism

| Size | Rated control supply voltage U _c 40 to 60 Hz AC, DC V AC/DC | Type | Unit LP ₹ | Std. pkg. (nos.) |
|------|--|-----------------|-----------|------------------|
| S6 | 23...26 | 3RT1955-5AB318K | 3659.- | 1 |
| | 110...127 | 3RT1955-5AF318K | | 1 |
| | 220...240 | 3RT1955-5AP318K | | 1 |
| | 380...420 | 3RT1955-5AV318K | | 1 |
| | 500...550 | 3RT1955-5AS31 | | 1 |
| S10 | 23...26 | 3RT1965-5AB31 | 5475.- | 1 |
| | 110...127 | 3RT1965-5AF318K | | 1 |
| | 220...240 | 3RT1965-5AP318K | | 1 |
| | 380...420 | 3RT1965-5AV318K | | 1 |
| | 500...550 | 3RT1965-5AS31 | | 1 |
| S12 | 23...26 | 3RT1975-5AB31 | 10260.- | 1 |
| | 110...127 | 3RT1975-5AF318K | | 1 |
| | 220...240 | 3RT1975-5AP318K | | 1 |
| | 380...420 | 3RT1975-5AV31 | | 1 |
| | 500...550 | 3RT1975-5AS31 | | 1 |

Coil - Solid state op. mech. (24 V DC PLC o/p)

| Size | Rated control supply voltage U _c 40 to 60 Hz AC, DC V AC/DC | Type | Unit LP ₹ | Std. pkg. (nos.) |
|------|--|---------------|-----------|------------------|
| S6 | 21...27.3 | 3RT1955-5NB31 | 7260.- | 1 |
| | 96...127 | 3RT1955-5NF31 | | 1 |
| | 200...277 | 3RT1955-5NP31 | | 1 |
| | 21...27.3 | 3RT1965-5NB31 | | 1 |
| S10 | 96...127 | 3RT1965-5NF31 | 10890.- | 1 |
| | 200...277 | 3RT1965-5NP31 | | 1 |
| S12 | 21...27.3 | 3RT1975-5NB31 | 14525.- | 1 |
| | 96...127 | 3RT1975-5NF31 | | 1 |
| | 200...277 | 3RT1975-5NP31 | | 1 |

or

NEW Specially designed coil for mining applications offers complete operating range from 400V to 605V AC/DC

3RT2 (S0) and 3RT1 (S3)

| Size | AC-3 operational current Ie upto 415V A | Motor rating at 415V, 50Hz kW | Auxiliary contacts | AC Coil [§] | | | DC Coil [@] | | |
|-------------------------------|---|-------------------------------|--------------------|----------------------|-------------------------|------------------|----------------------|-------------------------|------------------|
| | | | | Type | Unit LP ¹⁾ ₹ | Std. pkg. (nos.) | Type | Unit LP ¹⁾ ₹ | Std. pkg. (nos.) |
| 3RT2 Size S0 Contactor | | | | | | | | | |
| S0 | 9 | 4 | 1NO + 1NC | 3RT2023-1A..0 | 1250.- | 1 | 3RT2023-1B..0 | 2070.- | 1 |
| | 12 | 5.5 | 1NO + 1NC | 3RT2024-1A..0 | 1405.- | 1 | 3RT2024-1B..0 | 2295.- | 1 |
| | 17 | 7.5 | 1NO + 1NC | 3RT2025-1A..0 | 1630.- | 1 | 3RT2025-1B..0 | 2880.- | 1 |
| 3RT1 Size S3 Contactor | | | | | | | | | |
| S3 | 65 | 30 | - | 3RT1044-1A..08K | 11680.- | 1 | 3RT1044-1B..0 | 15145.- | 1 |
| | 80 | 37 | - | 3RT1045-1A..08K | 14810.- | 1 | 3RT1045-1B..0 | 18785.- | 1 |
| | 95 | 45 | - | 3RT1046-1A..08K | 16660.- | 1 | 3RT1046-1B..0 | 21270.- | 1 |

§ @ Change the 10th and 11th digit of the Article No.

\$ - AC operation 50/60Hz

| Contactor type | 3RT20 2 | 3RT10 4 |
|----------------|---------|---------|
| Size | S0 | S3 |
| 24 V AC | C2 | C2 |
| 110 V AC | G2 | G2 |
| 230 V AC | L2 | L2 |

@ - DC operation

| Contactor type | 3RT20 2 | 3RT10 4 |
|----------------|---------|---------|
| Size | S0 | S3 |
| 24 V DC | B4 | B4 |
| 110 V DC | F4 | F4 |
| 220 V DC | M4 | M4 |

1) For ordering contactors (3RT2 S0) with other than above coil voltages, please add Rs. 150/- to the unit LP of standard contactor of the same rating. Please contact nearest sales office for other coil voltages

■ Stock items



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Explore SIRIUS Innovation Energy Efficient Contactor Portfolio

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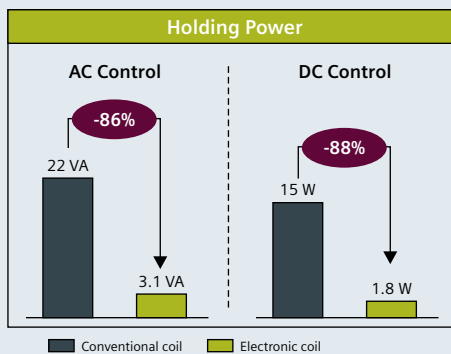
SIRIUS Innovation - Energy Efficient Contactor Portfolio (12A to 500A AC-3)

Contactor coil consumes continuous power as long as in operation



3RT20 | 95A AC-3

Typical Holding Power data comparison



Contactors with Electronic coil can be upto **88%** more

Energy Efficient as compared to conventional AC or DC contactor

Typical Coil Consumption (Holding)

| 12-38A AC-3 3RT202.-1N..0 | | |
|-----------------------------|------------|------------|
| | AC Control | DC Control |
| Size S0 | 1.9 VA | 1.4 W |

| 50-80A AC-3 3RT203.-1N..0 | | |
|-----------------------------|------------|------------|
| | AC Control | DC Control |
| Size S2 | 2 VA | 1 W |

| 95-110A AC-3 3RT204.-1N..0 | | |
|------------------------------|------------|------------|
| | AC Control | DC Control |
| Size S3 | 3.1 VA | 1.8 W |

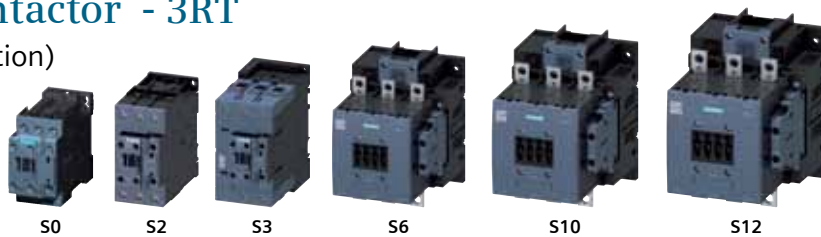
| 115-185A AC-3 3RT105.-6N.36 | | |
|-------------------------------|------------|------------|
| | AC Control | DC Control |
| Size S6 | 3.5 VA | 2.1 W |

| 225-300A AC-3 3RT106.-6N.36 | | |
|-------------------------------|------------|------------|
| | AC Control | DC Control |
| Size S10 | 5.5 VA | 2.8 W |

| 400-500A AC-3 3RT107.-6N.36 | | |
|-------------------------------|------------|------------|
| | AC Control | DC Control |
| Size S12 | 5.6 VA | 3 W |

Energy Efficient Power Contactor - 3RT

(Electronic Coil - Universal AC/DC operation)



NEW

Screw terminals

| Size | Surge Suppressor | AC-3 operational current I _e upto 415V A | Motor rating at 415V, 50Hz kW | Auxiliary contacts | | Type* | Unit LP ₹ | Std. pkg. (nos.) |
|--|---------------------|---|-------------------------------|--------------------|----|----------------------|-----------|------------------|
| | | | | NO | NC | | | |
| Extended operating range 0.7 to 1.3 x U _s | | | | | | | | |
| S0 | Varistor integrated | 12 | 5.5 | 1 | 1 | 3RT2024-1N..0 | 2885.- | 1 |
| | | 17 | 7.5 | 1 | 1 | 3RT2025-1N..0 | 3300.- | 1 |
| | | 25 | 11 | 1 | 1 | 3RT2026-1N..0 | 4565.- | 1 |
| | | 32 | 15 | 1 | 1 | 3RT2027-1N..0 | 9355.- | 1 |
| | | 38 | 18.5 | 1 | 1 | 3RT2028-1N..0 | 10835.- | 1 |
| Extended operating range 0.8 to 1.1 x U _s | | | | | | | | |
| S2 | Varistor integrated | 50 ... 80 | 22 ... 37 | 1 | 1 | refer page no. 6 | | |
| S3 | Varistor integrated | 95 ... 110 | 45 ... 55 | 1 | 1 | refer page no. 6 | | |
| S6-12 | Varistor integrated | 115 ... 500 | 55 ... 250 | 2 | 2 | refer page no. 6 & 7 | | |

* For ordering contactors with spring type terminals, please replace 8th digit from '1' to '2' only for size S0

| Contactor type | 3RT202.-1N |
|---------------------|------------|
| Size | S0 |
| 21 ... 28 V AC/DC | B3 |
| 95 ... 130 V AC/DC | F3 |
| 200 ... 280 V AC/DC | P3 |

Power Contactors - 3RT20 coupling relays (PLC interface relay)



NEW

Screw terminals

| Size | Surge Suppressor | AC-3 Operational Current I _e upto 415V A | Rating of induction motor at 50 Hz and 415V | Auxiliary contacts | | Type* | Unit LP ₹ | Std. pkg. (nos.) |
|---|--------------------------|---|---|--------------------|----|---------------|-----------|------------------|
| | | | | NO | NC | | | |
| Rated control supply voltage U _s =24 V DC, Operating range 0.7 to 1.25 x U _s , Holding power consumption 2.8W at 24V DC | | | | | | | | |
| S00 | Built in supressor Diode | 7 | 3 | 1 | - | 3RT2015-1KB41 | 1695.- | 1 |
| | | | | - | 1 | 3RT2015-1KB42 | 1695.- | 1 |
| | | 9 | 4 | 1 | - | 3RT2016-1KB41 | 1945.- | 1 |
| | | | | - | 1 | 3RT2016-1KB42 | 1945.- | 1 |
| | | 12 | 5.5 | 1 | - | 3RT2017-1KB41 | 2005.- | 1 |
| | | | | - | 1 | 3RT2017-1KB42 | 2005.- | 1 |
| Rated control supply voltage U _s =24 V DC, Operating range 0.7 to 1.25 x U _s , Holding Power Consumption 4.5W at 24V DC | | | | | | | | |
| S0 | Varistor integrated | 12 | 5.5 | 1 | 1 | 3RT2024-1KB40 | 2405.- | 1 |
| | | 17 | 7.5 | 1 | 1 | 3RT2025-1KB40 | 3740.- | 1 |
| | | 25 | 11 | 1 | 1 | 3RT2026-1KB40 | 4510.- | 1 |
| | | 32 | 15 | 1 | 1 | 3RT2027-1KB40 | 7745.- | 1 |
| Rated control supply voltage U _s =24 V DC, Operating range 0.8 to 1.2 x U _s , Holding Power Consumption 1W at 24V DC | | | | | | | | |
| S2 | Varistor integrated | 50 | 22 | 1 | 1 | 3RT2036-1KB40 | 12635.- | 1 |
| | | 65 | 30 | 1 | 1 | 3RT2037-1KB40 | 14190.- | 1 |
| | | 80 | 37 | 1 | 1 | 3RT2038-1KB40 | 17235.- | 1 |
| Rated control supply voltage U _s =24V DC, Operating range 0.8 to 1.2 x U _s , Holding Power Consumption 0.9W at 24V DC | | | | | | | | |
| S3 | Varistor integrated | 95 | 45 | 1 | 1 | 3RT2046-1KB40 | 20300.- | 1 |

* For ordering contactors with spring type terminals, please replace 8th digit from '1' to '2' only for size S00, S0
 Add-on Auxiliary contact blocks: S00: Not applicable, S0: Laterally mountable, S2/S3: Front and Laterally mountable

Vacuum contactors - 3RT12

Benefits

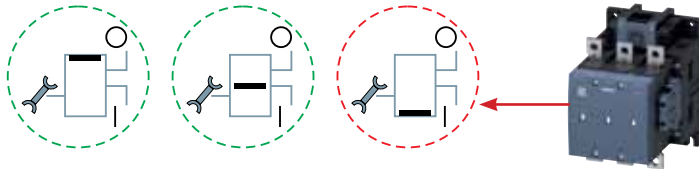
- AC-3 electrical life expectancy of about 2.5 million operation
- Contacts in the tube will not weld. Arc contained, therefore no gas generated nor flash during operation
- No deration of rated current up to 1000V AC for 3RT12 and up to 690V AC for 3TF6
- Visual inspection window for inspection of contact erosion available for 3RT12

with universal coil (AC/DC) Coils, 2NO+2NC aux. contacts

| Contactor size | Rated current Ie (A) AC3 upto 415V | Type [€] | Unit LP ₹ | Std. pkg. (nos.) |
|----------------|------------------------------------|-------------------|-----------|------------------|
| 10 | 225 | 3RT1264-6A..6 | 101640.- | 1 |
| 10 | 265 | 3RT1265-6A..6 | 120060.- | 1 |
| 10 | 300 | 3RT1266-6A..6 | 131505.- | 1 |
| 12 | 400 | 3RT1275-6A..6 | 166260.- | 1 |
| 12 | 500 | 3RT1276-6A..6 | 216060.- | 1 |

€ Coil voltage (AC/DC) - Please enter coil codes from table below

| Code | B3 | F3 | P3 | V3 |
|------------------|-------|---------|---------|---------|
| Coil voltage (V) | 23-26 | 110-127 | 220-240 | 380-420 |



Vacuum contactors - 3TF6

| Size | Rated current (A) Ie AC3 upto 415V | Motor kW at 415V 50Hz, 3ph | AC 50 Hz coil | | | | DC coil | | | |
|------|------------------------------------|----------------------------|--------------------|------------------------------------|-----------|------------------|--------------------|------------------------------------|-----------|------------------|
| | | | Auxiliary contacts | Type Pl. fill in coil voltage code | Unit LP ₹ | Std. pkg. (nos.) | Auxiliary contacts | Type Pl. fill in coil voltage code | Unit LP ₹ | Std. pkg. (nos.) |
| 14 | 630 | 355 | 4NO + 4NC | 3TF6844-0C.. | 257605.- | 1 | 3NO + 3NC | 3TF6833-1D.. ²⁾ | 290705.- | 1 |
| | 820 | 450 | 4NO + 4NC | 3TF6944-0C.. | 389690.- | 1 | 3NO + 3NC | 3TF6933-1D.. ²⁾ | 439765.- | 1 |

For coil codes & foot note (2) refer page no. 35

Power Contactors - 3RT with indication of Remaining LifeTime (RLT)

Withdrawable coils and integrated surge suppressor

Benefits

- Early warning to replace contacts
- Optimum utilization of contact material
- Visual inspection of condition of contacts no longer necessary
- Reduction of operating costs
- Optimum planning of maintenance schedules
- Avoidance of unforeseen plant downtimes

| Size | AC-3 Operational Current Ie upto 415 V ¹⁾ A | Motor rating at 415V, 50Hz kW | Auxiliary contacts | Rated control supply voltage U _c 40 to 60 Hz AC, DC V AC/DC | Type | Unit LP ₹ | Std. pkg. (nos.) |
|------|--|-------------------------------|--------------------|--|---------------|-----------|------------------|
| S6 | 115 | 55 | 1NO+1NC | 96...127 | 3RT1054-1PF35 | 31380.- | 1 |
| | | | 1NO+1NC | 220...277 | 3RT1054-1PP35 | 31380.- | |
| | 150 | 75 | 1NO+1NC | 96...127 | 3RT1055-6PF35 | 38005.- | 1 |
| | | | 1NO+1NC | 220...277 | 3RT1055-6PP35 | 38005.- | |
| S10 | 185 | 90 | 1NO+1NC | 96...127 | 3RT1056-6PF35 | 46955.- | 1 |
| | | | 1NO+1NC | 220...277 | 3RT1056-6PP35 | 46955.- | |
| | 225 | 110 | 1NO+1NC | 96...127 | 3RT1064-6PF35 | 50605.- | 1 |
| | | | 1NO+1NC | 220...277 | 3RT1064-6PP35 | 50605.- | |
| S12 | 265 | 132 | 1NO+1NC | 96...127 | 3RT1065-6PF35 | 57095.- | 1 |
| | | | 1NO+1NC | 220...277 | 3RT1065-6PP35 | 57095.- | |
| | 300 | 160 | 1NO+1NC | 96...127 | 3RT1066-6PF35 | 65335.- | 1 |
| | | | 1NO+1NC | 220...277 | 3RT1066-6PP35 | 65335.- | |
| S12 | 400 | 200 | 1NO+1NC | 96...127 | 3RT1075-6PF35 | 75330.- | 1 |
| | | | 1NO+1NC | 220...277 | 3RT1075-6PP35 | 75330.- | |
| | 500 | 250 | 1NO+1NC | 96...127 | 3RT1076-6PF35 | 111635.- | 1 |
| | | | 1NO+1NC | 220...277 | 3RT1076-6PP35 | 111635.- | |

1) For size S6 to S12 size contactors, operating current Ie is valid up to 500V

LEDs on the contactor

| LED-Displays | new | 60% | 40% | 20% |
|--------------|--------|--------|--------|--------|
| green | RLT | RLT | RLT | RLT |
| green | 60% | 60% | 60% | 60% |
| orange | 40% | 40% | 40% | 40% |
| red | 20% | 20% | 20% | 20% |
| | OReset | OReset | OReset | OReset |

RLT contactor

3 Pole AC1 Duty Contactors



| Size | AC-1 operational current Ie upto 690V A | AC Coil [§] | | | DC Coil [@] | | |
|------|---|----------------------|-----------|------------------|----------------------|-----------|------------------|
| | | Type | Unit LP ₹ | Std. pkg. (nos.) | Type | Unit LP ₹ | Std. pkg. (nos.) |
| S3 | 140 | 3RT14 46-1A..0 8K | 16740.- | 1 | 3RT1446-1B..0 | 21275.- | 1 |

§@ Please enter coil codes from table below

| Size | AC-1 operational current Ie upto 690V A | Auxiliary Contacts | Type [€] | Unit LP ₹ | Std. pkg. (nos.) |
|------|---|--------------------|-------------------|-----------|------------------|
| S6 | 275 | 2NO+2NC | 3RT1456-6A..68K | 37385.- | 1 |
| S10 | 400 | 2NO+2NC | 3RT1466-6A..68K | 51005.- | 1 |
| S12 | 690 | 2NO+2NC | 3RT1476-6A..68K | 105800.- | 1 |

€ Please enter coil codes from the table

4 Pole Power Contactors



With 4NO main contacts

| Contactor size | Rated current Ie (A) AC1, 415V | Auxiliary Contacts | | AC Coil [§] | | | DC Coil [@] | | |
|----------------|--------------------------------|--------------------|----|----------------------|-----------|------------------|----------------------------|-----------|------------------|
| | | NO | NC | Type | Unit LP ₹ | Std. pkg. (nos.) | Type | Unit LP ₹ | Std. pkg. (nos.) |
| S00 | 18 | - | - | 3RT2316-1A..0 | 1675.- | 1 | 3RT2316-1B..0 | 2720.- | 1 |
| | 22 | - | - | 3RT2317-1A..0 | 1740.- | 1 | 3RT2317-1B..0 | 2895.- | 1 |
| S0 | 30 | 1 | 1 | 3RT2324-1A..0 | 1820.- | 1 | 3RT2324-1B..0 | 3070.- | 1 |
| | 35 | 1 | 1 | 3RT2325-1A..0 | 1935.- | 1 | 3RT2325-1B..0 | 3460.- | 1 |
| | 40 | 1 | 1 | 3RT2326-1A..0 | 3005.- | 1 | 3RT2326-1B..0 | 5340.- | 1 |
| | 50 | 1 | 1 | 3RT2327-1A..0 | 3635.- | 1 | 3RT2327-1B..0 | 6800.- | 1 |
| S2 | 60 | 1 | 1 | 3RT2336-1A..0 | 8010.- | 1 | 3RT2336-1N..0 [€] | 9945.- | 1 |
| | 110 | 1 | 1 | 3RT2337-1A..0 | 13405.- | 1 | 3RT2337-1N..0 [€] | 15000.- | 1 |
| S3 | 140 | 1 | 1 | 3RT2346-1A..0 | 14900.- | 1 | 3RT2346-1N..0 [€] | 19265.- | 1 |
| | 160 | 1 | 1 | 3RT2348-1A..0 | 17280.- | 1 | 3RT2348-1N..0 [€] | 20480.- | 1 |

Higher ratings upto 1000A and corresponding AC3 ratings available Upon enquiry



With 2NO+2NC main contacts

| size | AC-1 operational current Ie upto 415V A | Auxiliary Contacts | | AC Coil [§] | | | DC Coil [@] | | |
|------|---|--------------------|----|----------------------|-----------|------------------|----------------------------|-----------|------------------|
| | | NO | NC | Type | Unit LP ₹ | Std. pkg. (nos.) | Type | Unit LP ₹ | Std. pkg. (nos.) |
| S00 | 18 | - | - | 3RT2516-1A..0 | 1870.- | 1 | 3RT2516-1B..0 | 2435.- | 1 |
| | 22 | - | - | 3RT2517-1A..0 | 2195.- | 1 | 3RT2517-1B..0 | 3590.- | 1 |
| S0 | 40 | 1 | 1 | 3RT2526-1A..0 | 3695.- | 1 | 3RT2526-1B..0 | 6685.- | 1 |
| S2 | 60 | 1 | 1 | 3RT2535-1A..0 | 9695.- | 1 | 3RT2535-1N..0 [€] | 12655.- | 1 |
| | 70 | 1 | 1 | 3RT2536-1A..0 | 12510.- | 1 | 3RT2536-1N..0 [€] | 16360.- | 1 |
| S3 | 100 | 1 | 1 | 3RT2544-1A..0 | 14020.- | 1 | 3RT2544-1N..0 [€] | 16565.- | 1 |
| | 125 | 1 | 1 | 3RT2545-1A..0 | 15610.- | 1 | 3RT2545-1N..0 [€] | 19665.- | 1 |

Rated control supply voltage (Change of the 10th and 11th digit of the Article No.)

\$ - AC operation 50/60Hz

| Contactor type | 3RT23, 3RT25 | 3RT1446 |
|----------------|-----------------|---------|
| Size | S00, S0, S2, S3 | S3 |
| 24 V AC | B0 | C2 |
| 110 V AC | F0 | G2 |
| 230 V AC | P0 | L2 |

@ - DC operation

| Contactor type | 3RT23, 3RT25 | 3RT1446 |
|----------------|--------------|---------|
| Size | S00, S0 | S3 |
| 24 V DC | B4 | B4 |
| 110 V DC | F4 | F4 |
| 220 V DC | M4 | M4 |

€ - Universal operation AC / DC

| Contactor type | 3RT2.3.-.N..0 3RT2.4.-.N..0 | Contactor type | 3RT 14 |
|----------------|--------------------------------|----------------|--------------|
| Size | S2, S3 | Size | S6, S10, S12 |
| 20 ... 33 | B3 | 20 ... 26 | B3 |
| 83 ... 155 | F3 | 110 ... 127 | F3 |
| 175 ... 280 | P3 | 220 ... 240 | P3 |

Mechanical interlock for 3RT23

| Contactor size | Type | Description | Unit LP ₹ | Std. pkg. (nos.) |
|---------------------|------------|---|-----------|------------------|
| S00-S00 | 3RA2912-2H | Mechanical interlock & 2 Connecting Clips | 340.- | 1 |
| S0-S0 | 3RA2922-2H | Mechanical interlock & 2 Connecting Clips | 340.- | 1 |
| S2-S2 ¹⁾ | 3RA2934-2B | Mechanical interlock | 380.- | 1 |
| | 3RA2932-2G | 2x Connecting Clips | 190.- | 10 |
| S3-S3 ¹⁾ | 3RA2934-2B | Mechanical interlock | 380.- | 1 |
| | 3RA2942-2G | 2x Connecting Clips | 210.- | 10 |

1) for 3RT23 S2 & S3 reversing combination both Mechanical interlock & 2x Connecting Clips need to be ordered

SIEMENS

Ingenuity for life



The world's first contactor with maximum benefits in safety applications!

SIRIUS Innovation contactors from size S6 to S12 (55 to 250kW) has been now expanded to include versions suitable for direct control from fail-safe controllers and safety relays which is first of its kind in the market.

This makes it possible to attain SIL 2 and/or PL c with just one contactor and SIL 3 and/or PL e with two contactors in series according to IEC 62061 and ISO 13849-1

www.siemens.com/SIRIUS

Advantages at a glance

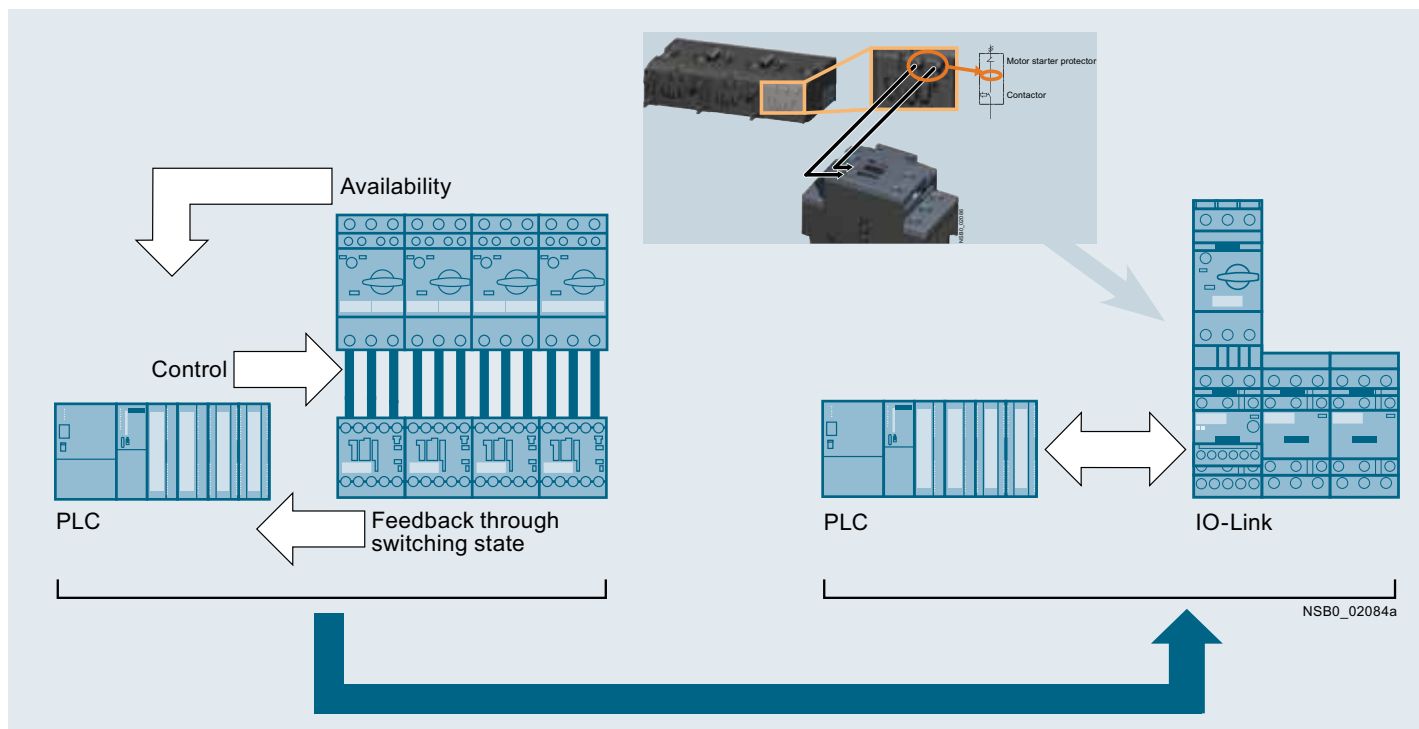
- 01 Digital input directly on board**
First contactor with certified, digital input for activation from fail-safe or standard controllers
- 02 Time & Cost saving**
Reduced wiring and configuration efforts
Cost optimization of additional coupling level
- 03 Maximum Safety level**
Certified inputs enables devices to be used up to the highest safety level (SIL 3 / PLe)
- 04 Everything from single source**
Complements safety solutions offered by the SIRIUS modular system



SIRIUS Innovation Contactors with fail-safe input

| Size | AC-3 operational current Ie upto 415V A | Motor rating at 415V, 50Hz kW | Permanently Mounted Auxiliary Contacts | Rated control supply voltages Us AC/DC | Type | Unit LP ₹ | Std Pkg. (nos.) |
|------|---|-------------------------------|--|--|--------------------|-----------|-----------------|
| S6 | 115 | 55 | 2NO+2NC | 96...127 | 3RT1054-6SF36-3PA0 | 28960.- | 1 |
| | | | | 220...227 | 3RT1054-6SP36-3PA0 | 28960.- | |
| | 150 | 75 | 2NO+2NC | 96...127 | 3RT1055-6SF36-3PA0 | 36680.- | 1 |
| | | | | 220...227 | 3RT1055-6SP36-3PA0 | 36680.- | |
| | 185 | 90 | 2NO+2NC | 96...127 | 3RT1056-6SF36-3PA0 | 45065.- | 1 |
| | | | | 220...227 | 3RT1056-6SP36-3PA0 | 45065.- | |
| S10 | 225 | 110 | 2NO+2NC | 96...127 | 3RT1064-6SF36-3PA0 | 50380.- | 1 |
| | | | | 220...227 | 3RT1064-6SP36-3PA0 | 50380.- | |
| | 265 | 132 | 2NO+2NC | 96...127 | 3RT1065-6SF36-3PA0 | 57465.- | 1 |
| | | | | 220...227 | 3RT1065-6SP36-3PA0 | 57465.- | |
| | 300 | 160 | 2NO+2NC | 96...127 | 3RT1066-6SF36-3PA0 | 65195.- | 1 |
| | | | | 220...227 | 3RT1066-6SP36-3PA0 | 65195.- | |
| S12 | 400 | 200 | 2NO+2NC | 96...127 | 3RT1075-6SF36-3PA0 | 76470.- | 1 |
| | | | | 220...227 | 3RT1075-6SP36-3PA0 | 76470.- | |
| | 500 | 250 | 2NO+2NC | 96...127 | 3RT1076-6SF36-3PA0 | 109260.- | 1 |
| | | | | 220...227 | 3RT1076-6SP36-3PA0 | 109260.- | |

Communication capable power contactors



Rated control supply voltage $U_s = 24 \text{ V DC}$
Screw terminals

| Size | AC-3 Operational Current I_e upto 415V | | Motor rating at 415V, 50 Hz | Auxiliary contacts | Type* | Unit LP ₹ | Std. pkg. (nos.) |
|------|--|------|-----------------------------|--------------------|---------------------------------|--------------|---------------------|
| | A | kW | | | | | |
| S00 | 7 | 3 | | 1NO | 3RT2015-1BB41-0CC0 | 1790.- | 1 |
| | | | | 1NC | 3RT2015-1BB42-0CC0 | | |
| | 9 | 4 | | 1NO | 3RT2016-1BB41-0CC0 | 1965.- | 1 |
| | | | | 1NC | 3RT2016-1BB42-0CC0 | | |
| | 12 | 5.5 | | 1NO | 3RT2017-1BB41-0CC0 | 2265.- | 1 |
| | | | | 1NC | 3RT2017-1BB42-0CC0 | | |
| 16 | 7.5 | | 1NO | 3RT2018-1BB41-0CC0 | 2750.- | 1 | |
| | | | 1NC | 3RT2018-1BB42-0CC0 | | | |
| S0 | 9 | 4 | | 1NO + 1NC | 3RT2023-1BB40-0CC0 | 2425.- | 1 |
| | 12 | 5.5 | | 1NO + 1NC | 3RT2024-1BB40-0CC0 | 2660.- | 1 |
| | 17 | 7.5 | | 1NO + 1NC | 3RT2025-1BB40-0CC0 | 3795.- | 1 |
| | 25 | 11 | | 1NO + 1NC | 3RT2026-1BB40-0CC0 | 4590.- | 1 |
| | 32 | 15 | | 1NO + 1NC | 3RT2027-1BB40-0CC0 | 7800.- | 1 |
| | 38 | 18.5 | | 1NO + 1NC | 3RT2028-1BB40-0CC0 | 10525.- | 1 |
| S2 | 50 | 22 | | 1NO + 1NC | 3RT2036-1NB30-0CC0 [€] | 12635.- | 1 |
| | 65 | 30 | | 1NO + 1NC | 3RT2037-1NB30-0CC0 [€] | 14235.- | 1 |
| | 80 | 37 | | 1NO + 1NC | 3RT2038-1NB30-0CC0 [€] | 17595.- | 1 |
| S3 | 95 | 45 | | 1NO + 1NC | 3RT2046-1NB30-0CC0 [€] | 21990.- | 1 |
| | 110 | 55 | | 1NO + 1NC | 3RT2047-1NB30-0CC0 [€] | 27760.- | 1 |

*For ordering contactors with spring type terminals, please replace 8th digit from '1' to '2' for S00, S0
[€] - Universal operation 20...33V AC / DC

Solid state switching devices - 3RF

Solid state contactless switching for application requiring frequent switching

- Compact 22.5mm design with built in LED & finger touch proof protection
- Blocking voltage 1200V
- Main voltage 48-460V AC
- Control voltage 4-30V DC
- Zero point switching



| Rated current AC51 (max) | Type | Unit LP ₹ | Std. pkg. (kits) |
|--------------------------|----------------------------|-----------|------------------|
| 20 | 3RF2120-1AA45 [§] | 1890.- | 1 |
| 30 | 3RF2130-1AA45 [§] | 2925.- | 1 |
| 50 | 3RF2150-1AA45 [§] | 4865.- | 1 |
| 70 | 3RF2170-1AA45 [§] | 5645.- | 1 |
| 90 | 3RF2190-1AA45 [§] | 6980.- | 1 |

§ To be used along with suitable heatsink, other voltages upon enquiry

Contact your nearest Siemens partner to know more about

- 3RF20 solid state relays with 45mm design for resistive loads
- 3RF23 single phase solid state contactors with built in heatsink for resistive/inductive loads
- 3RF24 three phase solid state contactors with built-in heat sink for resistor loads upto 50A
- Add on function modules to achieve extended functionality

Accessories for 3RH2 & 3RT2 contactors (S00 / S0 / S2 / S3)

Auxiliary Contact Blocks (S00 / S0 / S2 / S3)

for snapping onto the front

| For | Switching | | Type* | Unit LP ₹ | Std. pkg. (nos.) |
|--------------------|-----------|----|---------------|-----------|------------------|
| | NO | NC | | | |
| S00 / S0 / S2 / S3 | 1 | - | 3RH2911-1HA10 | 235.- | 1 |
| | - | 1 | 3RH2911-1HA01 | | 1 |
| | 2 | - | 3RH2911-1HA20 | 325.- | 1 |
| | 1 | 1 | 3RH2911-1HA11 | | 1 |
| | - | 2 | 3RH2911-1HA02 | | 1 |
| | 2 | 2 | 3RH2911-1HA22 | | 1 |
| | 3 | 1 | 3RH2911-1HA31 | 575.- | 1 |
| | 4 | - | 3RH2911-1FA40 | | 1 |



* For ordering auxiliary contact blocks with Spring type terminals, please replace 8th digit from '1' to '2'

Laterally mountable auxiliary switch blocks on left and / or right

| For | Switching | | Type*1) | Unit LP ₹ | Std. pkg. (nos.) |
|--------------------|-----------|----|---------------|-----------|------------------|
| | NO | NC | | | |
| S00 / S0 / S2 / S3 | - | 2 | 3RH2921-1DA02 | 690.- | 1 |
| | 1 | 1 | 3RH2921-1DA11 | | 1 |
| | 2 | - | 3RH2921-1DA20 | | 1 |



* For ordering auxiliary contact blocks with Spring type terminals, please replace 8th digit from '1' to '2'

1) Only left side mounting possible for 3RH2 contactor relays

Accessories for 3RT1 contactors (S3 - S12)

Auxiliary Contact Blocks (S3 - S12)

| Size | NO | NC | #NO | *NC | Type | Unit LP ₹ | Std. pkg. (nos.) |
|---|----|----|-----|-----|---------------|-----------|------------------|
| 1 Pole Front mounted Auxiliary Contact blocks S2.... S12 (3RT1.3 - 3RT1.7) | | | | | | | |
| S3 - S12 | 1 | - | - | - | 3RH1921-1CA10 | 170.- | 10 |
| | - | 1 | - | - | 3RH1921-1CA01 | | 10 |
| | - | - | 1 | - | 3RH1921-1CD10 | 345.- | 10 |
| | - | - | - | 1 | 3RH1921-1CD01 | | 10 |
| 2 Pole First Laterally mountable Auxiliary Contact blocks S2.... S12 (3RT1.3 - 3RT1.7) | | | | | | | |
| S3 - S12 | 2 | - | - | - | 3RH1921-1EA20 | 740.- | 1 |
| | 1 | 1 | - | - | 3RH1921-1EA11 | | 1 |
| | - | 2 | - | - | 3RH1921-1EA02 | | 1 |
| 2 Pole Second Laterally mountable Auxiliary Contact blocks 3RT1.4 - 3RT1.7 | | | | | | | |
| S3 - S12 | 2 | - | - | - | 3RH1921-1KA20 | 740.- | 1 |
| | 1 | 1 | - | - | 3RH1921-1KA11 | | 1 |
| | - | 2 | - | - | 3RH1921-1KA02 | | 1 |



Delayed actuation

Accessories for 3RT2 and 3RH2 Contactors (S00, S0, S2, S3)

Surge suppressors

Screw and spring terminals

| Size | For Contactor | Version | AC Operation | DC Operation | Type | Unit LP ₹ | Std. pkg. (nos.) |
|--------------------------------------|------------------|----------------------------------|--|---------------|-----------------|-----------|------------------|
| | | | Rated control supply voltage (U _c) | | | | |
| | | | V AC | V DC | | | |
| for 3RH2 & 3RT2 Size S00 | | | | | | | |
| S00 | 3RT2.1 & 3RH2. | Varistors (with LED) | 24 ... 48 | 12 ... 24 | ■ 3RT2916-1JJ00 | 530.- | 1 |
| | | | 48 ... 127 | 24 ... 70 | ■ 3RT2916-1JK00 | | 1 |
| | | | 127 ... 240 | 70 ... 150 | ■ 3RT2916-1JL00 | | 1 |
| | | | -- | 150 ... 250 | 3RT2916-1JP00 | | 1 |
| | | RC Elements | 24 ... 48 | 24 ... 70 | 3RT2916-1CB00 | | 1 |
| | | | 48 ... 127 | 70 ... 150 | 3RT2916-1CC00 | | 1 |
| | | | 127 ... 240 | 150 ... 250 | 3RT2916-1CD00 | | 1 |
| | | Diode assemblies | -- | 12 ... 250 | 3RT2916-1EH00 | | 1 |
| | | Diode with LED | -- | 24 ... 70 | 3RT2916-1LM00 | | 1 |
| | | Additional load modules | 180 ... 255 | -- | 3RT2916-1GA00 | | 1 |
| for 3RT2 Size S0 | | | | | | | |
| S0 | 3RT2.2 | Varistors | 24 ... 48 | 24 ... 70 | ■ 3RT2926-1BB00 | 700.- | 1 |
| | | | 48 ... 127 | 70 ... 150 | ■ 3RT2926-1BC00 | | 1 |
| | | | 127 ... 240 | 150 ... 250 | ■ 3RT2926-1BD00 | | 1 |
| | | | 240 ... 400 | -- | ■ 3RT2926-1BE00 | | 1 |
| | | RC Elements | 24 ... 48 | 24 ... 70 | 3RT2926-1CB00 | | 1 |
| | | | 48 ... 127 | 70 ... 150 | 3RT2926-1CC00 | | 1 |
| | | | 127 ... 240 | 150 ... 250 | 3RT2926-1CD00 | | 1 |
| | | | 240 ... 400 | -- | 3RT2926-1CE00 | | 1 |
| | | Diode assemblies | -- | 24 | 3RT2926-1ER00 | | 1 |
| | | -- | 30 ... 250 | 3RT2926-1ES00 | 1 | | |
| | | Varistor with LED | 127 ... 240 | 70 ... 150 | 3RT2926-1JL00 | | 1 |
| | | for 3RT2 Size S2 & S3 | | | | | |
| S2, S3 | 3RT2.3 3RT2.4 | Varistors ¹⁾ | 24 ... 48 | -- | ■ 3RT2936-1BB00 | 820.- | 1 |
| | | | 48 ... 127 | -- | ■ 3RT2936-1BC00 | | 1 |
| | | | 127 ... 240 | -- | ■ 3RT2936-1BD00 | | 1 |
| | | | 240 ... 400 | -- | ■ 3RT2936-1BE00 | | 1 |
| | | | 400 ... 600 | -- | 3RT2936-1BF00 | | 1 |
| | | Diode assemblies | -- | 24 | 3RT2936-1ER00 | | 1 |
| | | | -- | 30 ... 250 | 3RT2936-1ES00 | | 1 |
| | | | 127 ... 240 | 70 ... 150 | 3RT2936-1JL00 | | 1 |
| for 3RT2 Size S2 - RC Element | | | | | | | |
| S2 | 3RT2.3 | RC Elements | 24 ... 48 | 24 ... 70 | 3RT2936-1CB00 | 820.- | 1 |
| | | | 48 ... 127 | 70 ... 150 | 3RT2936-1CC00 | | 1 |
| | | | 127 ... 240 | 150 ... 250 | 3RT2936-1CD00 | | 1 |
| | | | 240 ... 400 | -- | 3RT2936-1CE00 | | 1 |
| for 3RT2 Size S3 - RC Element | | | | | | | |
| S3 | 3RT2.4 | RC Elements | 24 ... 48 | 24 ... 70 | 3RT2946-1CB00 | 820.- | 1 |
| | | | 48 ... 127 | 70 ... 150 | 3RT2946-1CC00 | | 1 |
| | | | 127 ... 240 | 150 ... 250 | 3RT2946-1CD00 | | 1 |
| | | | 240 ... 400 | -- | 3RT2946-1CE00 | | 1 |

1) In 3RT2 universal coil varistor is in-built

Sealable Covers

| Size | For Contactor | Type | Unit LP* ₹ | Std. pkg. (nos.) |
|-----------------|---------------|---------------|------------|------------------|
| S00, S0, S2, S3 | 3RT2 & 3RH2® | 3RT2916-4MA10 | 165.- | 1 pack = 5 units |

@ Exception: Contactors and contactor relays auxiliary switch block mounted onto the front

Safety main current connectors for 2 contactors

| Size | For Contactor | Type | Unit LP ₹ | Std. pkg. (nos.) |
|------|---------------|------------|-----------|------------------|
| S00 | 3RT2 | 3RA2916-1A | 990.- | 1 |
| S0 | | 3RA2926-1A | | 1 |
| S2 | | 3RA2936-1A | | 1 |

■ Stock items

LP - List Price



Accessories for 3RT2 and 3RH2 Contactors (S00, S0, S2, S3)

Coil terminal modules for S0, S2, S3

| Size | For Contactor | Type | Unit LP ₹ | Std. pkg. (nos.) |
|-----------------------|---------------|---------------|-----------|------------------|
| Connection from top | 3RT2 | 3RT2926-4RA11 | 310.- | 1 |
| Connection from below | | 3RT2926-4RB11 | | 1 |
| Connection diagonally | | 3RT2926-4RC11 | | 1 |



Coupling links for control by PLC

for mounting onto the coil terminals of the contactors

| Size | For Contactor | Mounting | Type | Unit LP ₹ | Std. pkg. (nos.) |
|-----------------|---------------|---|---------------|-----------|------------------|
| S0 | 3RT2.2 | onto the coil terminals of the contactors | 3RH2924-1GP11 | 1635.- | 1 |
| S00, S0, S2, S3 | 3RT2 | onto the contactors | 3RH2914-1GP11 | 1665.- | 1 |



LED modules for indicating the contactor function

| Size | For Contactor | Type | Unit LP* ₹ | Std. pkg. (nos.) |
|----------|---------------|---------------|------------|------------------|
| S00 - S3 | 3RT2 | 3RT2926-1QT00 | 555.- | 1 pack = 5 units |



Links for paralleling

| Size | For Contactor | Version | Max. Conductor cross-sections mm ² | Type | Unit LP ₹ | Std. pkg. (nos.) |
|------|-------------------|---------------------------------|---|---------------|-----------|------------------|
| S00 | 3RT20 1 | 3-Pole with connection terminal | 25 (stranded) | 3RT1916-4BB31 | 365.- | 1 |
| S0 | 3RT20 2 | | 50 (stranded) | 3RT1926-4BB31 | 555.- | 1 |
| S2 | 3RT20 3 | | 120 (stranded) | 3RT1936-4BB31 | 735.- | 1 |
| S3 | 3RT20 4 | | 185 (stranded) | 3RT1946-4BB31 | 2010.- | 1 |
| S00 | 3RT23 1 & 3RT25 1 | 4-Pole with connection terminal | 25 (stranded) | 3RT1916-4BB41 | 555.- | 1 |



Screw adapters for easy screw fixing

2 units required per contactor

| Size | Type | Unit LP ₹ | Std. pkg. (nos.) |
|------|------------|-----------|-------------------|
| S0 | 3RT1926-4P | 25.- | 1 pack = 10 units |



OFF-Delay Devices

| Size | Rated control supply voltage U _s V | Type | Unit LP ₹ | Std. pkg. (nos.) |
|------------------------------------|---|---------------|-----------|------------------|
| 3RT2. 1, 3RT2. 2, 3RH2. . . -1BF40 | 110 AC/DC | 3RT2916-2BK01 | 3705.- | 1 |
| 3RT2. 1, 3RT2. 2, 3RH2. . . -1BM40 | 220 / 230 AC/DC | 3RT2916-2BL01 | | 1 |
| 3RT2. 1, 3RT2. 2, 3RH2. . . -1BB40 | 24 DC | 3RT2916-2BE01 | | 1 |



Mechanical latching blocks

| Size | For Contactor | Rated control supply voltage U _s V | Type | Unit LP ₹ | Std. pkg. (nos.) |
|------|---------------|---|---------------|-----------|------------------|
| S0 | 3RT2.2 | 24 AC/DC | 3RT2926-3AB31 | 2355.- | 1 |
| | | 110 AC/DC | 3RT2926-3AF31 | | 1 |
| | | 230 AC/DC | 3RT2926-3AP31 | | 1 |



Accessories for 3RT2 and 3RH2 Contactors (S00, S0, S2, S3)



Pneumatic delay blocks

for snapping onto the front of size S0 contactors

| For Contactor | Function | Auxiliary contacts | Time setting range t Sec | Type | Unit LP ₹ | Std. pkg. (nos.) |
|---------------|-----------|--------------------|-----------------------------|---------------|--------------|---------------------|
| 3RT2.2 | ON-Delay | 1NO + 1NC | 0.1 ... 30 | 3RT2926-2PA01 | 1835.- | 1 |
| | | | 1 ... 60 | 3RT2926-2PA11 | | 1 |
| | OFF-Delay | 1NO + 1NC | 0.1 ... 30 | 3RT2926-2PR01 | 2190.- | 1 |
| | | | 1 ... 60 | 3RT2926-2PR11 | | 1 |

* The LP mentioned is for 1 unit



Solid state timer block

for snapping onto the front (S00, S0, S2, S3)

| Function | For contactors | Auxiliary contacts | Rated control supply voltage U _s 50/60 Hz V | Time setting range t Sec | Type* | Unit LP ₹ | Std. pkg. (nos.) |
|---|------------------------|--------------------|---|-----------------------------|---------------|--------------|---------------------|
| On-Delay (Varistor integrated) | 3RT2 3RH21 3RH24 | 1CO | 24 ... 240 VAC/DC | 0.05 ... 100 | 3RA2813-1AW10 | 2030.- | 1 |
| | | 1NO + 1NC | | | 3RA2813-1FW10 | | 1 |
| OFF-Delay without auxiliary voltage (Varistor integrated) | | 1CO | 24 ... 240 VAC/DC | 0.05 ... 100 | 3RA2815-1AW10 | 2425.- | 1 |
| | | 1NO + 1NC | | | 3RA2815-1FW10 | | 1 |
| OFF-Delay with auxiliary voltage (Varistor integrated) | | 1CO | 24 ... 240 VAC/DC | 0.05 ... 100 | 3RA2814-1AW10 | 2755.- | 1 |
| | | 1NO + 1NC | | | 3RA2814-1FW10 | | 1 |

Solid state timer block with semiconductor output

for snapping onto the front (S00, S0)

| Function | For contactors [#] | Auxiliary contacts | Rated control supply voltage U _s 50/60 Hz V | Time setting range t Sec | Type* | Unit LP ₹ | Std. pkg. (nos.) |
|-------------------------------------|-----------------------------|--------------------|---|-----------------------------|---------------|--------------|---------------------|
| On-Delay (Varistor integrated) | 3RT2 3RH21 3RH24 | – | 24 ... 240 VAC/DC | 0.05 ... 100 | 3RA2811-1CW10 | 2210.- | 1 |
| OFF-Delay with auxiliary voltage | 3RT2 3RH21 3RH24 | – | 24 ... 240 VAC/DC | 0.05 ... 100 | 3RA2812-1DW10 | 2600.- | 1 |

Cannot be fitted onto coupling relays. Also available for 3RT2 S2 & S3 on request

| Version | SIRIUS function modules | | SIRIUS function modules for IO-Link | | SIRIUS function modules for AS-Interface | |
|--|--|--------|-------------------------------------|---------|--|---------|
| | A | B | C | D | E | F |
| Direct on line starting (S00, S0, S2, S3) | *Pls refer above table for type reference (Solid state timer block with semiconductor output) | | 3RA2711-1AA00* | 3600.- | 3RA27121AA00* | 3960.- |
| Reversing starting (S00, S0, S2, S3) | for complete feeder refer page no. 22-23 | | 3RA2711-1BA00* | 6795.- | 3RA2712-1BA00* | 7470.- |
| | | | | | | |
| Star delta starting (S00, S0, S2, S3) | 3RA2816-0EW20 | 4200.- | 3RA2711-1CA00* | 10520.- | 3RA2712-1CA00* | 11605.- |
| | | | | | | |

*For ordering with spring type terminals, please replace 8th digit from '1' to '2'

Accessories for 3RT1 Contactors (S3 ... S12)



Solid state timer block – for snapping onto the front of 3RT10, 3RT13, 3RT14, 3RT15

| Function | Auxiliary contacts | Rated control supply voltage U _c 50/60 Hz V | Time setting range t Sec | Type | Unit LP ₹ | Std. pkg. (nos.) |
|--|---|--|--------------------------|---------------|-----------|------------------|
| On-Delay (Varistor integrated) | 1NO + 1NC | 24 AC/DC | 0.05 ... 1 | 3RT1926-2EJ11 | 1915.- | 1 |
| | | | 0.5 ... 10 | 3RT1926-2EJ21 | | 1 |
| | | | 5 ... 100 | 3RT1926-2EJ31 | | 1 |
| | 100 ... 127 AC | 24 AC/DC | 0.05 ... 1 | 3RT1926-2EC11 | | 1 |
| | | | 0.5 ... 10 | 3RT1926-2EC21 | | 1 |
| | | | 5 ... 100 | 3RT1926-2EC31 | | 1 |
| | 200 ... 240 AC | 24 AC/DC | 0.05 ... 1 | 3RT1926-2ED11 | | 1 |
| | | | 0.5 ... 10 | 3RT1926-2ED21 | | 1 |
| | | | 5 ... 100 | 3RT1926-2ED31 | | 1 |
| OFF-Delay without auxiliary voltage (Varistor integrated) | 1NO + 1NC | 24 AC/DC | 0.05 ... 1 | 3RT1926-2FJ11 | 2285.- | 1 |
| | | | 0.5 ... 10 | 3RT1926-2FJ21 | | 1 |
| | | | 5 ... 100 | 3RT1926-2FJ31 | | 1 |
| | 100 ... 127 AC/DC | 24 AC/DC | 0.05 ... 1 | 3RT1926-2FK11 | | 1 |
| | | | 0.5 ... 10 | 3RT1926-2FK21 | | 1 |
| | | | 5 ... 100 | 3RT1926-2FK31 | | 1 |
| | 200 ... 240 AC/DC | 24 AC/DC | 0.05 ... 1 | 3RT1926-2FL11 | | 1 |
| | | | 0.5 ... 10 | 3RT1926-2FL21 | | 1 |
| | | | 5 ... 100 | 3RT1926-2FL31 | | 1 |
| Star-Delta (Varistor integrated) | 1 NO Delayed + 1 NO Instantaneous Dead time - 50 ms | 24 AC/DC | 1.5 ... 30 | 3RT1926-2GJ51 | 2100.- | 1 |
| | | 100 ... 127 AC | 1.5 ... 30 | 3RT1926-2GC51 | | 1 |
| | | 200 ... 240 AC | 1.5 ... 30 | 3RT1926-2GD51 | | 1 |

Accessories for 3RT12

| Description | Type | Unit LP ₹ | Std. pkg. (nos.) |
|---------------------------------------|---------------|-----------|------------------|
| Line voltage surge suppressors | | | |
| upto 690V AC | 3RT1966-1PV3 | 6565.- | 1 |
| upto 1000V AC | 3RT1966-1PV4 | 9595.- | 1 |
| Auxiliary contact blocks | | | |
| second, 2NO | 3RH1921-1KA20 | 740.- | 1 |
| second, 1NO+1NC | 3RH1921-1KA11 | | 1 |
| second, 2NC | 3RH1921-1KA02 | | 1 |
| Mechanical interlock mechanism | 3RA1954-2A | 1940.- | 1 |
| Coil surge suppressor | | | |
| RC element, for 110V-127V coil | 3RT1956-1CC00 | 1430.- | 1 |
| RC element, for 220V-240V coil | 3RT1956-1CD00 | | 1 |

Accessories for 3RT13/15/16

| Contactor size | Description | Type | Unit LP ₹ | Std. pkg. (nos.) |
|--|----------------|----------------|-----------|------------------|
| Front mounted auxiliary contact block (for 3RT 13/15) | | | | |
| S3...S12 | 1NO | 3RH1921-1CA10* | 170.- | 1 |
| | 1NC | 3RH1921-1CA01* | 170.- | 1 |
| | 2NO+2NC | 3RH1921-1FA22 | 630.- | 1 |
| Side mounted auxiliary contact block (for 3RT 13/15/16) | | | | |
| S3...S12 | 2NO | 3RH1921-1EA20 | 740.- | 1 |
| | 1NO+1NC | 3RH1921-1EA11 | | 1 |
| | 2NC | 3RH1921-1EA02 | | 1 |
| Mechanical interlock kit (for 3RT 13) | | | | |
| S3 | front mounting | 3RA1924-1A | 675.- | 1 |
| | side mounting | 3RA1924-2B® | 675.- | 1 |

* Exception - 3RT12 & 3RT16

@ With built in 1NC per contactor

Accessories for 3RT1 Contactors (S3 ... S12)

Surge suppressors without LED

For fitting onto the coil terminals at top or bottom

| Size | Version | AC Operation | DC Operation | Type | Unit LP ₹ | Std. pkg. (nos.) |
|------|---|--|--------------|---------------|--------------|---------------------|
| | | Rated control supply voltage (U _s) | | | | |
| | | V AC | V DC | | | |
| S3 | Varistors | 24 ... 48 | 24 ... 70 | 3RT1926-1BB00 | 765.- | 1 |
| | | 48 ... 127 | 70 ... 150 | 3RT1926-1BC00 | | 1 |
| | | 127 ... 240 | 150 ... 250 | 3RT1926-1BD00 | | 1 |
| | | 240 ... 400 | – | 3RT1926-1BE00 | | 1 |
| | | 400 ... 600 | – | 3RT1926-1BF00 | | 1 |
| | RC Elements | 24 ... 48 | 24 ... 70 | 3RT1936-1CB00 | | 1 |
| | | 48 ... 127 | 70 ... 150 | 3RT1936-1CC00 | | 1 |
| | | 127 ... 240 | 150 ... 250 | 3RT1936-1CD00 | | 1 |
| | | 240 ... 400 | – | 3RT1936-1CE00 | | 1 |
| | | 400 ... 600 | – | 3RT1936-1CF00 | | 1 |
| | Diode Assemblies (Connectable at top) | – | 24 | 3RT1936-1ER00 | | 1 |
| | | – | 30 ... 250 | 3RT1936-1ES00 | | 1 |
| | Diode Assemblies (Connectable at bottom) | – | 24 | 3RT1936-1TR00 | | 1 |
| | | – | 30 ... 250 | 3RT1936-1TS00 | | 1 |



Contactors coils (Size S6 to S12) comes with in-built varistor

For connecting to withdrawable coil with screw terminals with contactors with

—> 3RT1...-A... Conventional operating mechanism

—> 3RT1...-N... Solid state operating mechanism

| | | | | | | |
|--------------------|-------------|-------------|-------------|---------------|--------|---|
| S6, S10, S12 | RC Elements | 24 ... 48 | 24 ... 70 | 3RT1956-1CB00 | 1430.- | 1 |
| | | 48 ... 127 | 70 ... 150 | 3RT1956-1CC00 | | 1 |
| | | 127 ... 240 | 150 ... 250 | 3RT1956-1CD00 | | 1 |
| | | 240 ... 400 | – | 3RT1956-1CE00 | | 1 |
| | | 400 ... 600 | – | 3RT1956-1CF00 | | 1 |



LED modules for indicating the contactor function

| Size | For Contactor | Type | Unit LP* ₹ | Std. pkg. (nos.) |
|----------|---------------|---------------|---------------|---------------------|
| S6 - S12 | 3RT1 | 3RT2926-1QT00 | 555.- | 1 pack = 5 units |



Accessories for 3RT1 Contactors (S3 ... S12)

Box terminal blocks

| Size | Version | Type | Unit LP ₹ | Std. pkg. (nos.) |
|-----------|--|------------|-----------|------------------|
| S6 | For round and ribbon cables (Upto 70 mm ²) | 3RT1955-4G | 1375.- | 1 |
| | For round and ribbon cables (Upto 120 mm ²) | 3RT1956-4G | 1940.- | 1 |
| | Auxiliary conductor connection for box terminals | 3TX7500-0A | 780.- | 1 |
| S10 / S12 | Upto 240 mm ² with auxiliary conductor connection | 3RT1966-4G | 5495.- | 1 |



Covers

Terminal covers for box terminals

| Size | Version | Type | Unit LP ₹ | Std. pkg. (nos.) |
|-----------|-----------------|--------------|-----------|------------------|
| S3 | 3 Pole | 3RT1946-4EA2 | 470.- | 1 |
| | 4 Pole | 3RT1946-4EA4 | 470.- | 1 |
| S6 | Length of 25 mm | 3RT1956-4EA2 | 735.- | 1 |
| S10 / S12 | Length of 30 mm | 3RT1966-4EA2 | 1290.- | 1 |

Terminal covers for cable lugs and busbar connection

| | | | | |
|-----------|------------------|--------------|--------|---|
| S3 | Length of 55 mm | 3RT1946-4EA1 | 650.- | 1 |
| S6 | Length of 100 mm | 3RT1956-4EA1 | 1250.- | 1 |
| S10 / S12 | Length of 120 mm | 3RT1966-4EA1 | 1650.- | 1 |

Busbar cover between contactor and 3RB2 overload relay or wiring module for contactor assemblies

| | | | | |
|-----------|-----------------|--------------|--------|---|
| S10 / S12 | Length of 42 mm | 3RT1966-4EA3 | 1100.- | 1 |
|-----------|-----------------|--------------|--------|---|

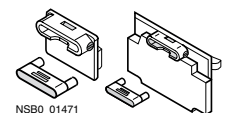
For busbar cover of the flat line connectors for reversing and wye-delta assemblies

| | | | | |
|----|-----------------|--------------|--------|---|
| S6 | Length of 38 mm | 3RT1956-4EA4 | 1010.- | 1 |
|----|-----------------|--------------|--------|---|



Sealable Covers

| Size | Type | Unit LP ₹ | Std. pkg. (nos.) |
|----------|---------------|-----------|------------------|
| S3...S12 | 3RT1926-4MA10 | 75.- | 1 pack = 5 units |



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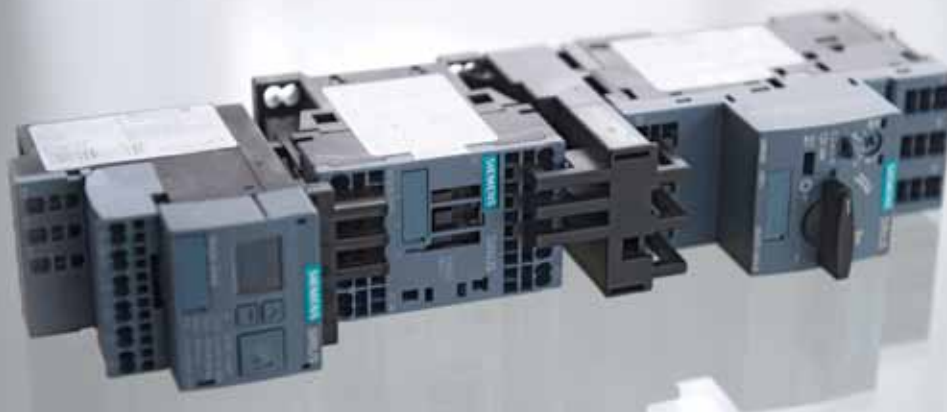
* The LP mentioned is for 1 unit

Links for paralleling

| Size | Version | Max. Conductor cross-sections mm ² | Type | Unit LP ₹ | Std. pkg. (nos.) |
|-----------|---|---|---------------|-----------|------------------|
| S3 | 3-Pole with through hole (Star Jumpers) | 185 | 3RT1946-4BB31 | 2010.- | 1 |
| S6 | | – | 3RT1956-4BA31 | 1100.- | 1 |
| S10 / S12 | | – | 3RT1966-4BA31 | 1460.- | 1 |



Stock items



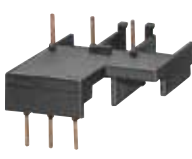












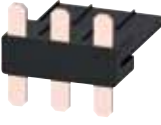




3RA Load Feeders



Direct On-Line Starters

For snapping onto standard mounting rails or for screw mounting

| Size of MPCB / contactor | MPCB | + | Contactor | + | Link module | + | Standard mounting rail adaptor | Final Assembled Unit |
|--------------------------|---|---|--|---|--|---|--|---|
| S00 / S00 |  3RV2 | + |  3RT2 AC and DC coil | + |  3RA1921-1DA00 | + | Not required |  |
| (S00, S0) / S0 |  3RV2 | + |  3RT2 AC coil DC coil | + |  3RA2921-1AA00 3RA2921-1BA00 | + | Not required |  |
| S2 / S2 |  3RV2 | + |  3RT2 AC and DC coil | + |  3RA2931-1AA00 | + |  3RA2932-1AA00 (Optional) |  |
| S3 / S3 |  3RV2 | + |  3RT2 AC and DC coil | + |  3RA1941-1AA00 | + |  3RA1942-1AA00 |  |

– Available on request

Link modules, single-unit packaging – For mechanical and electrical connection between contactor and motor protection circuit-breaker with screw terminals

| Method of operation | Size of contactor | Size of MPCB | Type | Unit LP ₹ | Std. pkg. (nos.) |
|---------------------|-------------------|--------------|---------------|-----------|------------------|
| AC/DC | S00 | S00 | 3RA1921-1DA00 | 360.- | 1 |
| | S2 | S2 | 3RA2931-1AA00 | 1255.- | 1 |
| | S3 | S3 | 3RA1941-1AA00 | 915.- | 1 |
| AC | S0 | S00/S0 | 3RA2921-1AA00 | 360.- | 1 |
| DC | S0 | S00/S0 | 3RA2921-1BA00 | 360.- | 1 |

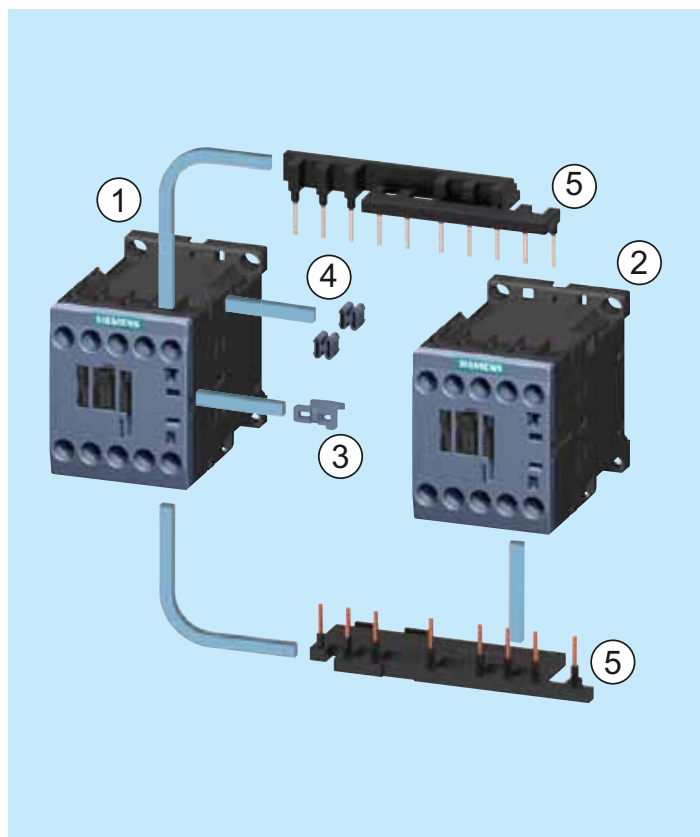
Standard mounting rail adaptor

| Size of MPCB | Size of contactor | Type | Unit LP ₹ | Std. pkg. (nos.) |
|--------------|-------------------|---------------|-----------|------------------|
| S2 | S2 | 3RA2932-1AA00 | 1405.- | 1 |
| S3 | S3 | 3RA1942-1AA00 | 1770.- | 1 |

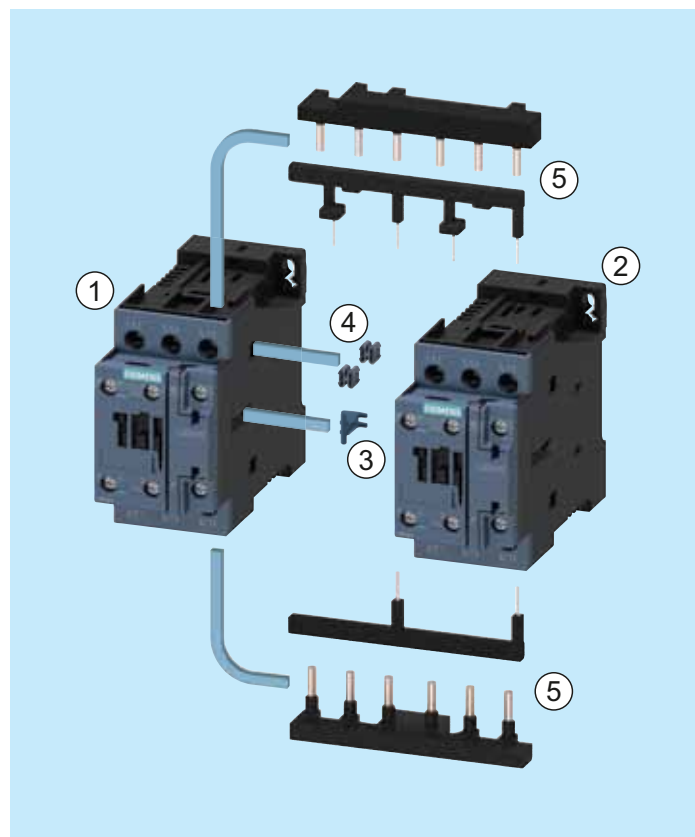
Accessories for 3RT2 Contactors

S00, S0 - Mechanical Interlock & Installation kit for reversing contactors

S00 - S00



S0 - S0



Individual Components

- ① ② Power Contactor Size S00 - S00 or S0 - S0
- ③ Lateral mounted mechanical interlock
- ④ 2 Nos Connecting clips for two contactors
- ⑤ Wiring modules on the top & bottom

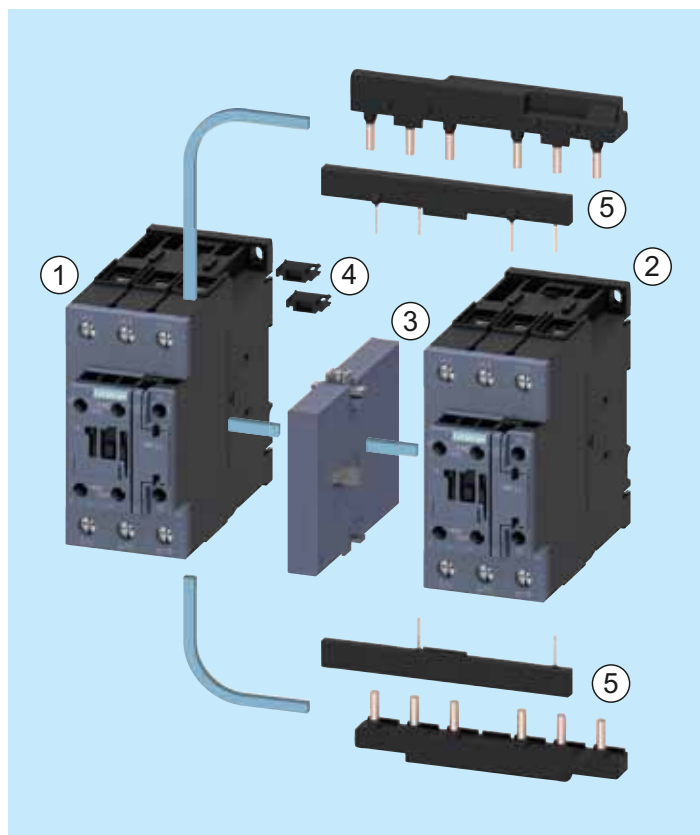
| S. No. | Description | Contactor Size | Type* | MRP ₹ (per unit / set) | Std. pkg. (nos.) |
|--------|---|----------------|--------------|------------------------|------------------------------|
| A | <u>Assembly Kit</u> Each kit contains: Mechanical interlock, 2 Connecting clips for 2 contactors, wiring modules on the top & bottom | S00-S00 | 3RA2913-2AA1 | 625.- | 1 Unit |
| | | S0-S0 | 3RA2923-2AA1 | 940.- | |
| B | Each set contains: Mechanical interlock & 2 Connecting clips | S00-S00 | 3RA2912-2H | 340.- | 1 pack (1 pack = 10 Sets) |
| | | S0-S0 | 3RA2922-2H | 340.- | |

* For ordering installation kit with spring type terminals please replace last digit from '1' to '2'



Accessories for 3RT2 Contactors

S2 - S2 or S3 - S3 - Mechanical Interlock & Assembly kit for reversing contactors



Individual Components

- ① ② Power Contactor Size S2 - S2 or S3 - S3
- ③ Lateral mounted mechanical interlock
- ④ 2 Nos Connecting clips for two contactors
- ⑤ Wiring modules on the top & bottom

| S. No. | Description | Contactors Size | Type | MRP ₹ (per unit / set) | Std. pkg. (nos.) |
|--------|---|-----------------|--------------|------------------------|------------------|
| A | Assembly Kit Each kit contains: • Two connecting clips for two contactor • Wiring modules on the top & bottom for connecting the main and auxiliary current paths | S2 - S2 | 3RA2933-2AA1 | 1040.- | 1 Unit |
| | | S3 - S3 | 3RA2943-2AA1 | 2085.- | 1 Unit |
| B | Mechanical interlock | S2 - S2 | 3RA2934-2B | 380.- | 1 Unit |
| | | S3 - S3 | | | |

* Assembly kit only available for 3 Pole contactors only



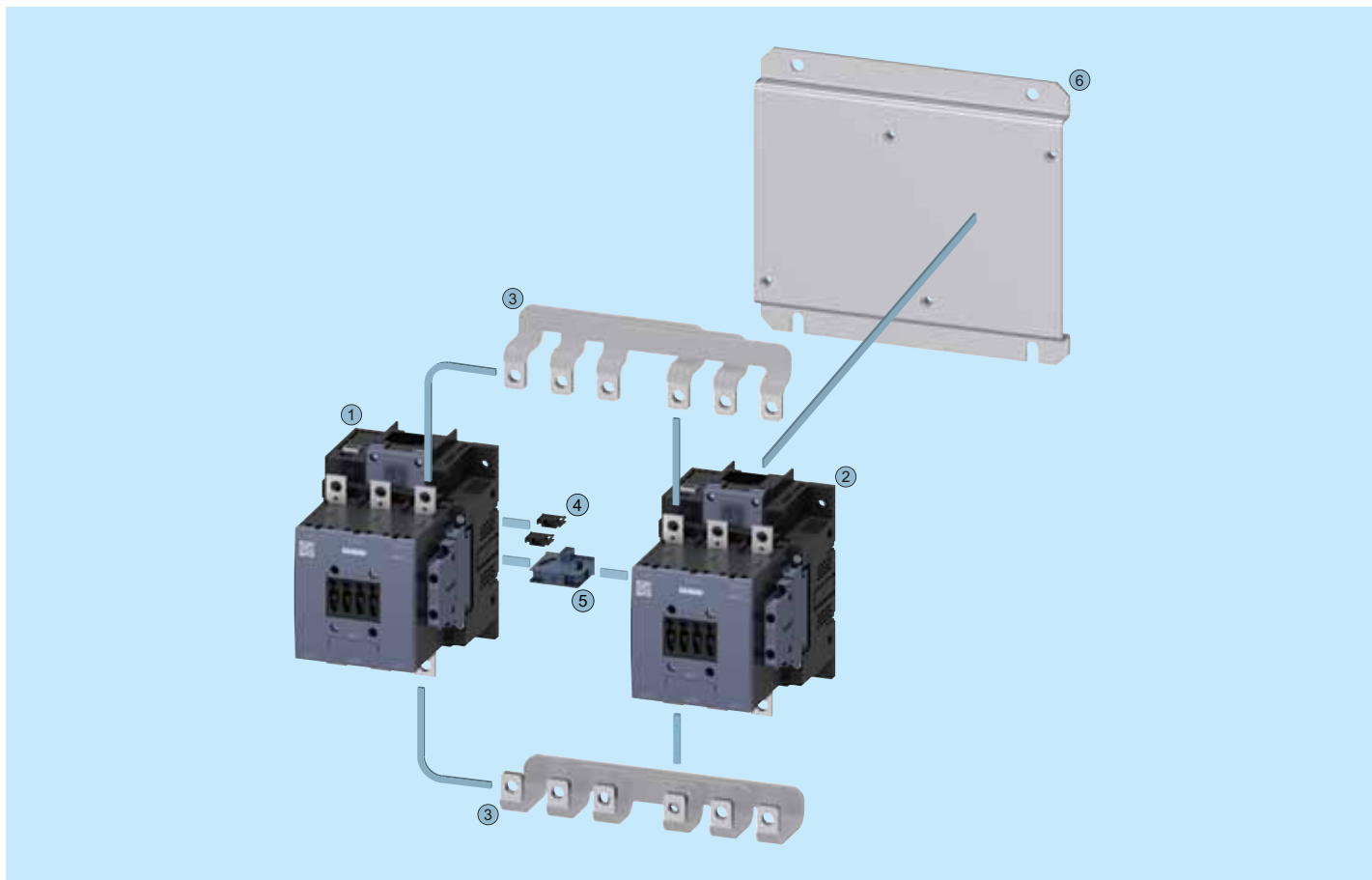
A



B

Accessories for 3RT1 Contactors

S6 - S6 - Mechanical Interlock & Installation kit for reversing contactors



Individual Components

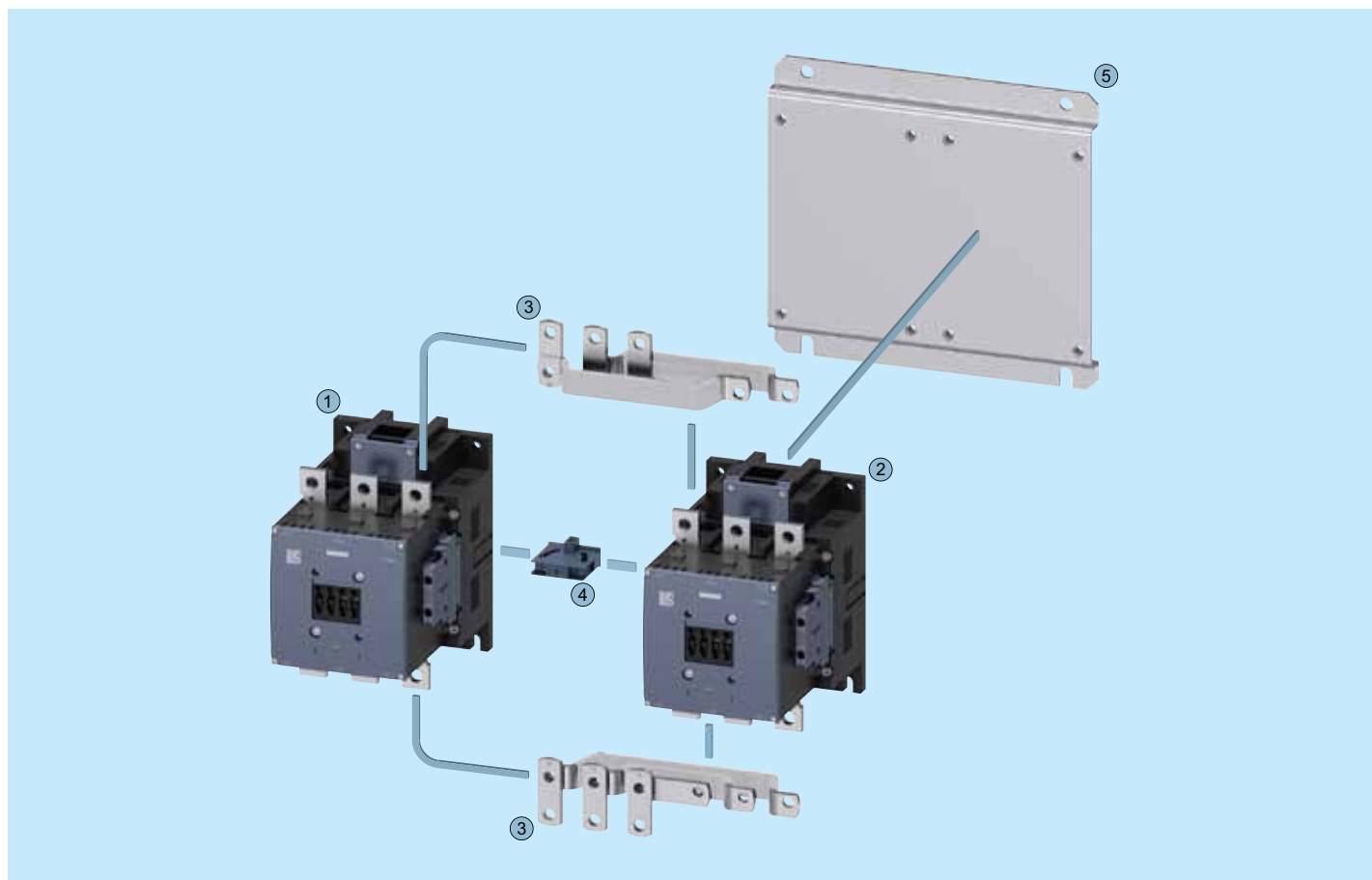
- ① ② Power Contactor Size S6 - S6
- ③ Assembly Kit
- ④ Two connectors for two contactors
- ⑤ Mechanical interlock
- ⑥ Base plate for reversing contactor assemblies

| S. No. | Description | Contactor Size | Type | MRP ₹ (per unit / set) | Std. pkg. (nos.) |
|--------|---|----------------|------------|------------------------|------------------------------|
| 3 | <u>Assembly Kit</u> Each kit contains: • Wiring modules on the top & bottom for <u>contactors without box terminals</u> for connecting the main and auxiliary current paths, electrical interlock included (NC Contact interlock) | S6 - S6 | 3RA1953-2A | 15695.- | 1 Unit |
| 4 | Two connectors for two contactors | S6 - S6 | 3RA1932-2D | 180.- | 1 Pack (1 pack = 10 sets) |
| 5 | Mechanical interlock | S6 - S6 | 3RA1954-2A | 1940.- | 1 Unit |
| 6 | Base plate for reversing contactor assemblies | S6 - S6 | 3RA1952-2A | 2930.- | 1 Unit |

■ Stock items

Accessories for 3RT1 Contactors

S10 - S10 or S12 - S12 - Mechanical Interlock & Installation kit for reversing contactors



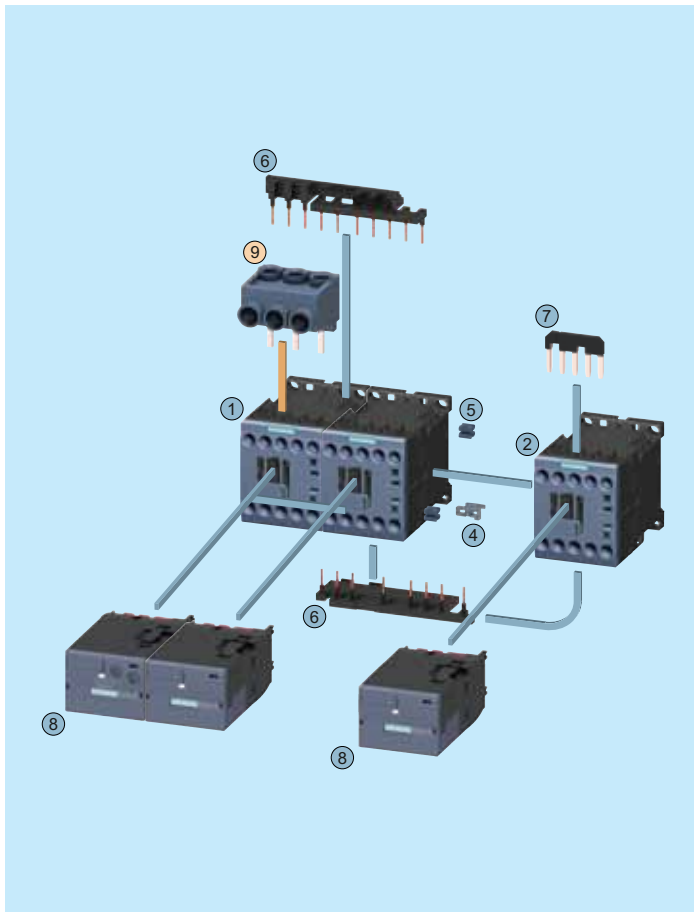
Individual Components

- ① ② Power Contactor Size S10 - S10 or S12 - S12
- ③ Assembly Kit
- ④ Mechanical interlock
- ⑤ Base plate for reversing contactor assemblies

| S. No. | Description | Contactor Size | Type | MRP ₹ (per unit / set) | Std. pkg. (nos.) |
|--------|---|----------------|------------|------------------------|------------------|
| 3 | Assembly Kit Each kit contains: • Wiring modules on the top & bottom for <u>contactors without box terminals</u> for connecting the main and auxiliary current paths, electrical interlock included (NC Contact interlock) | S10 - S10 | 3RA1963-2A | 16735.- | 1 Unit |
| | | S12 - S12 | 3RA1973-2A | 17785.- | 1 Unit |
| 4 | Mechanical interlock | S10 - S10 | 3RA1954-2A | 1940.- | 1 Unit |
| | | S12 - S12 | | | |
| 5 | Base plate for reversing contactor assemblies | S10 - S10 | 3RA1962-2A | 4400.- | 1 Unit |
| | | S12 - S12 | 3RA1972-2A | 5125.- | 1 Unit |

Accessories for 3RT2 Contactors

S00-S00-S00 - Mechanical Interlock & Installation kit for star delta contactor assembly



Individual Components

- ① ② ③ Power Contactors:
Line: S00
Delta: S00
Star: S00

Assembly kit : ④ ... ⑦

- ④ Mechanical interlock
- ⑤ 4 Nos Connecting clips for contactors
- ⑥ Wiring modules on the top & bottom for connecting the main and the control path
- ⑦ Star Jumper
- ⑧ Function Module for Star-Delta
- ⑨ 3-phase feeder terminal

| S. No. | For Contactor | Description | Type | Unit LP ₹ | Std. pkg. (nos.) |
|--------|---------------|---|-----------------|-----------|------------------|
| A | 3RT20 1 | <u>Assembly Kit</u> Each kit contains: Mechanical interlock 4 Connecting clips, wiring modules on the top & bottom, Star jumper | ■ 3RA2913-2BB1* | 340.- | 1 Unit |
| B | 3RT20 1 | Function module | ■ 3RA2816-0EW20 | 4200.- | 1 Unit |
| C | 3RT20 1 | 3-phase feeder terminal (for Screw type contactors only) | ■ 3RA2913-3K | 510.- | 5 Unit |

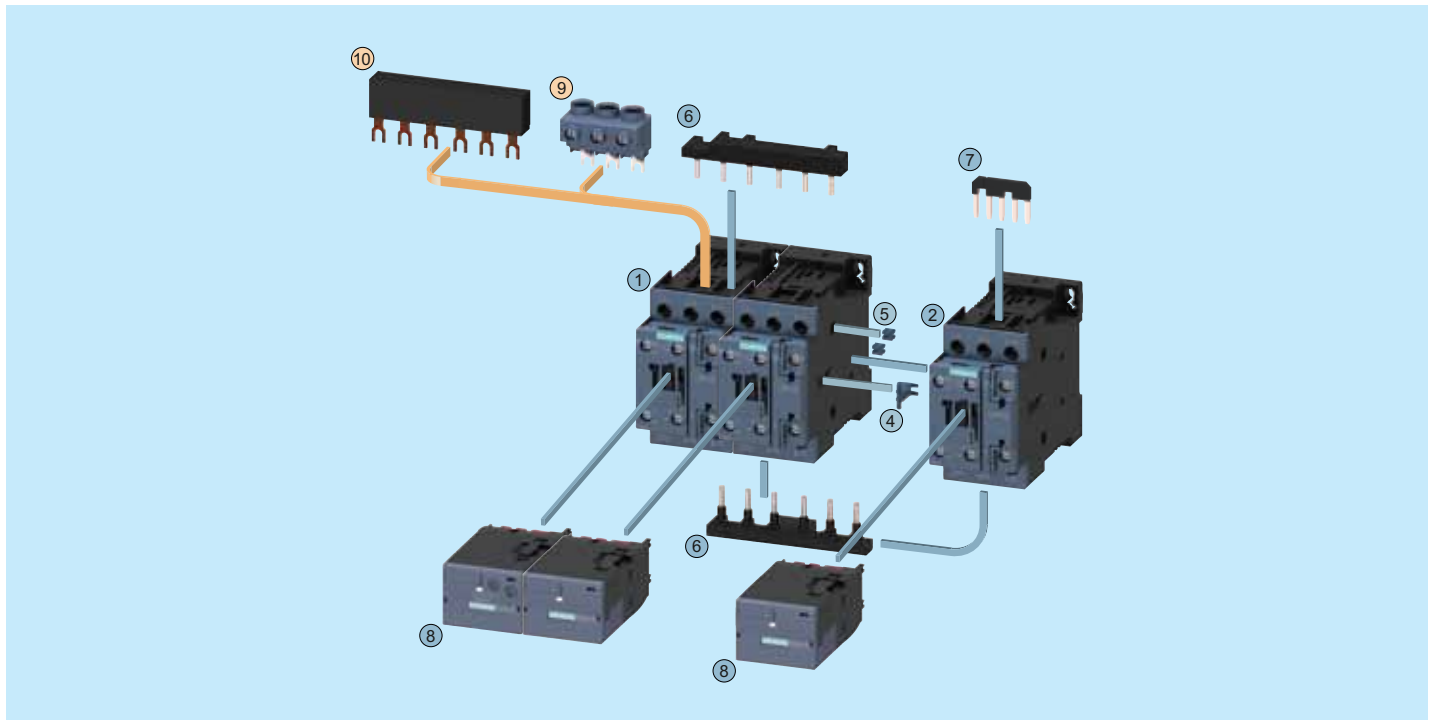
* For ordering installation kit with spring type terminals please replace last digit from '1' to '2'



■ Stock items

Accessories for 3RT2 Contactors

S0-S0-S0 - Mechanical Interlock & Installation kit for star delta contactor assembly



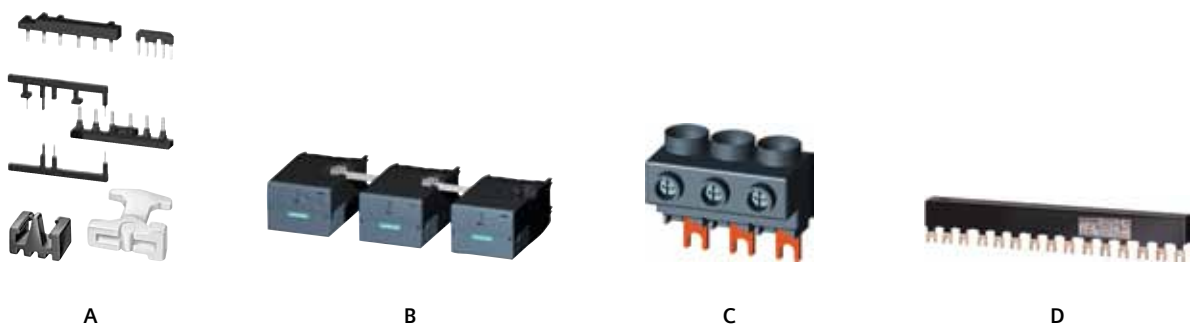
Individual Components

- ① ② ③ Power Contactors:
Line: S0
Delta: S0
Star: S0
- ④ Mechanical interlock
- ⑤ 4 Nos Connecting clips for contactors
- ⑥ Wiring modules on the top & bottom for connecting the main and the control path
- ⑦ Star Jumper
- ⑧ Function Module for Star-Delta
- ⑨ 3-phase feeder terminal
- ⑩ 3-phase busbar

Assembly kit : ④ ... ⑦

| S. No. | For Contactor | Description | Type | Unit LP ₹ | Std. pkg. (nos.) |
|--------|---------------|--|-----------------|-----------|------------------|
| A | 3RT20 2 | Installation Kit Each kit contains: Mechanical interlock 4 Connecting clips, wiring modules on the top & bottom, Star jumper | ■ 3RA2923-2BB1* | 1030.- | 1 Unit |
| B | 3RT20 2 | Function module | ■ 3RA2816-0EW20 | 4200.- | 1 Unit |
| C | 3RT20 2 | 3-phase feeder terminal (for Screw type contactors only) | ■ 3RV2925-5AB | 1090.- | 1 Unit |
| D | 3RT20 2 | 3-phase busbar (for Screw type contactors only) | ■ 3RV1915-1AB | 920.- | 1 Unit |

* For ordering installation kit with spring type terminals please replace last digit from '1' to '2'

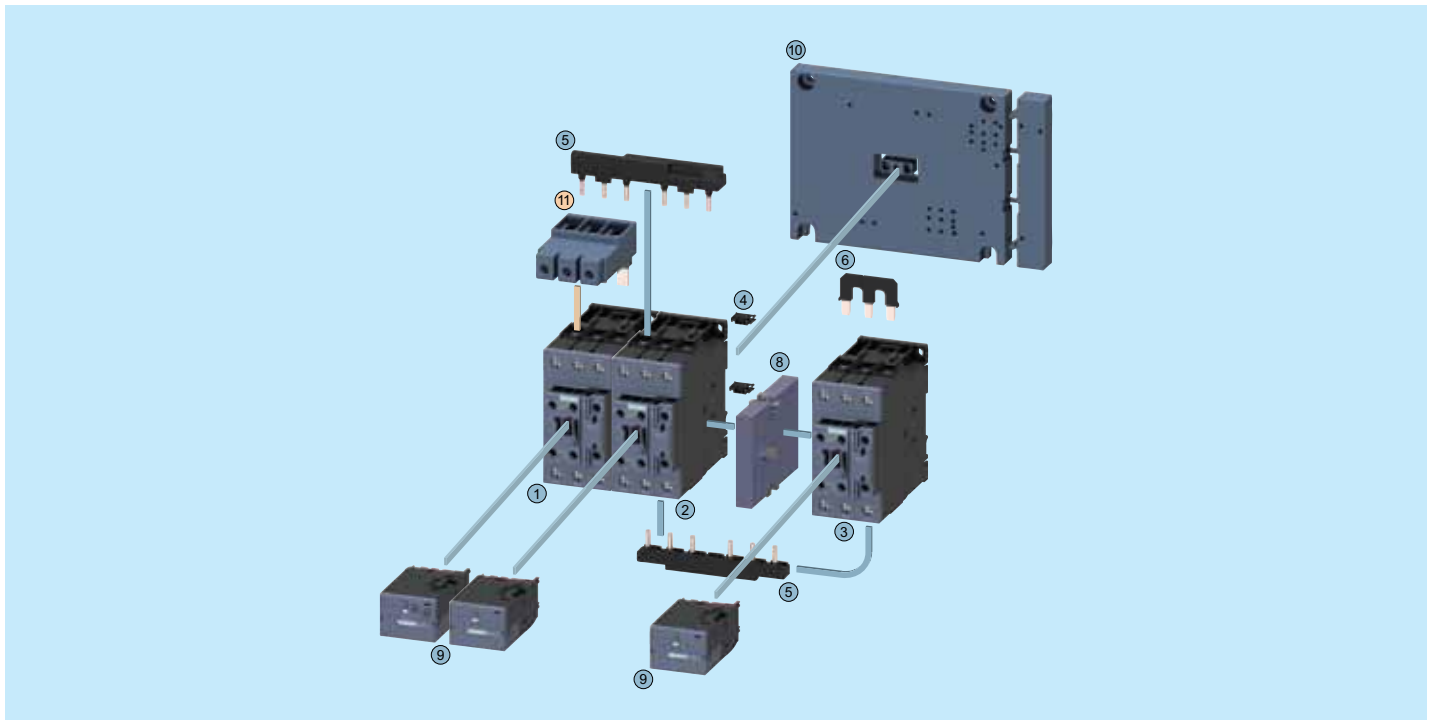


■ Stock items

LP - List Price

Accessories for 3RT2 Contactors

S2-S2-S0/S2 - Mechanical Interlock & Installation kit for star delta contactor assembly

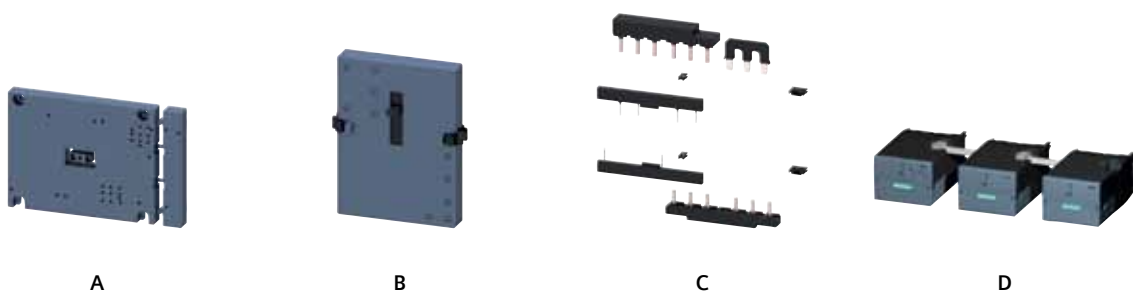


The figure shows the version with screw terminals in S2-S2-S2

Individual Components

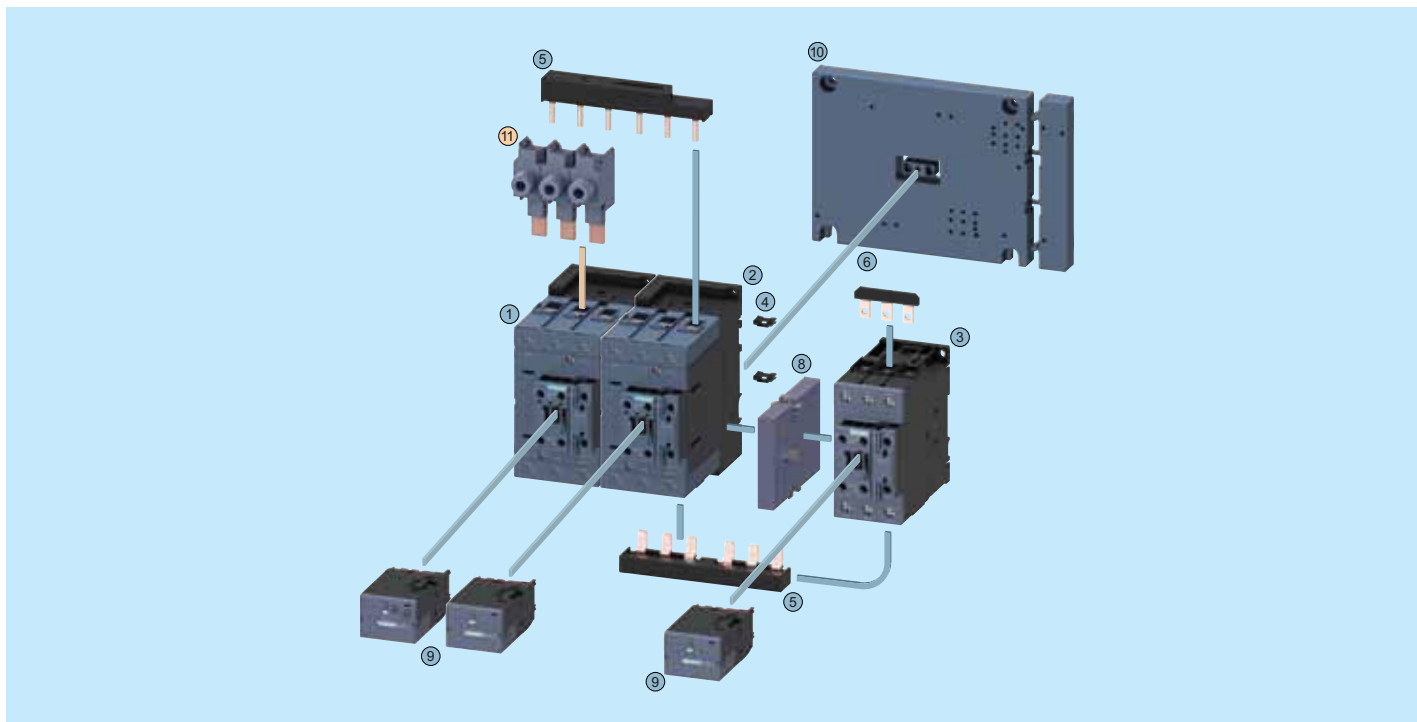
- ① ② ③ Contactors
- ④ ... ⑦ Assembly kit comprising:
S2-S2-S2: 3RA2933-2BB1
S2-S2-S0: 3RA2933-2C
- ④ Connectors for three contactors
- ⑤ Wiring modules on top and bottom for connecting the main and auxiliary circuits
- ⑥ Star jumper
- ⑦ Cable for connecting the A2 coil contact from the line contactor with the A2 coil contact of the delta contactor (not shown in the drawing)
- ⑧ Mechanical interlock
- ⑨ Function modules for star-delta (wye-delta)
- ⑩ Base plate star-delta
- ⑪ 3-phase feeder terminal

| S. No. | For Contactor | Type | LP ₹ (per unit / set) | Std. pkg. (nos.) |
|--------|-------------------------------|---------------|--------------------------|------------------|
| A | Base plate | 3RA2932-2F | 1450.- | 1 Unit |
| B | Mechanical interlock, lateral | 3RA2934-2B | 380.- | 1 Unit |
| C | Assembly Kit: S2-S2-S2 | 3RA2933-2BB1 | 1555.- | 1 Unit |
| | Assembly Kit: S2-S2-S0 | 3RA2933-2C | 1140.- | 1 Unit |
| D | Functional Module | 3RA2816-0EW20 | 4200.- | 1 Unit |



Accessories for 3RT2 Contactors

S3-S3-S2/S3 - Mechanical Interlock & Installation kit for star delta contactor assembly

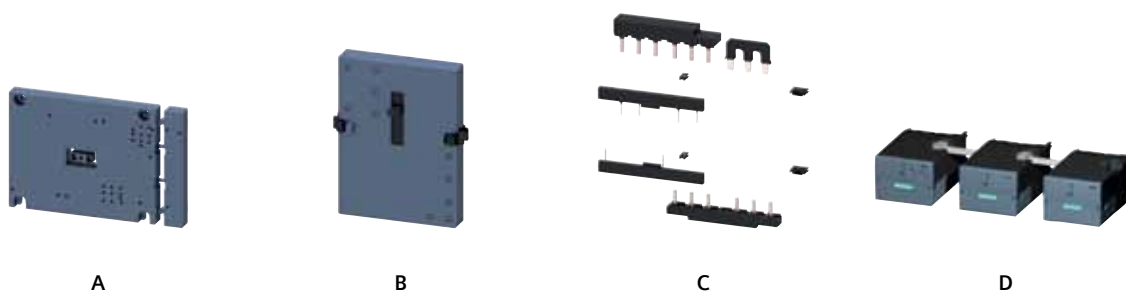


The figure shows the version with screw terminals in S3-S3-S2

Individual Components

- ① ② ③ Contactors
- ④ ... ⑦ Assembly kit comprising:
S3-S3-S3: 3RA2943-2BB
S3-S3-S2: 3RA2943-2C
- ④ Connectors for three contactors
- ⑤ Wiring modules on top and bottom for connecting the main and auxiliary circuits
- ⑥ Star jumper
- ⑦ Cable for connecting the A2 coil contact from the line contactor with the A2 coil contact of the delta contactor (not shown in the drawing)
- ⑧ Mechanical interlock
- ⑨ Function modules for star-delta (wye-delta)
- ⑩ Base plate star-delta
- ⑪ 3-phase feeder terminal

| S. No. | For Contactor | Type | LP ₹ (per unit / set) | Std. pkg. (nos.) |
|--------|-------------------------------|---------------|--------------------------|------------------|
| A | Base plate | 3RA2942-2F | 2035.- | 1 Unit |
| B | Mechanical interlock, lateral | 3RA2934-2B | 380.- | 1 Unit |
| C | Assembly Kit: S3-S3-S3 | 3RA2943-2BB1 | 1430.- | 1 Unit |
| | Assembly Kit: S3-S3-S2 | 3RA2943-2C | 1590.- | 1 Unit |
| D | Functional Module | 3RA2816-0EW20 | 4200.- | 1 Unit |

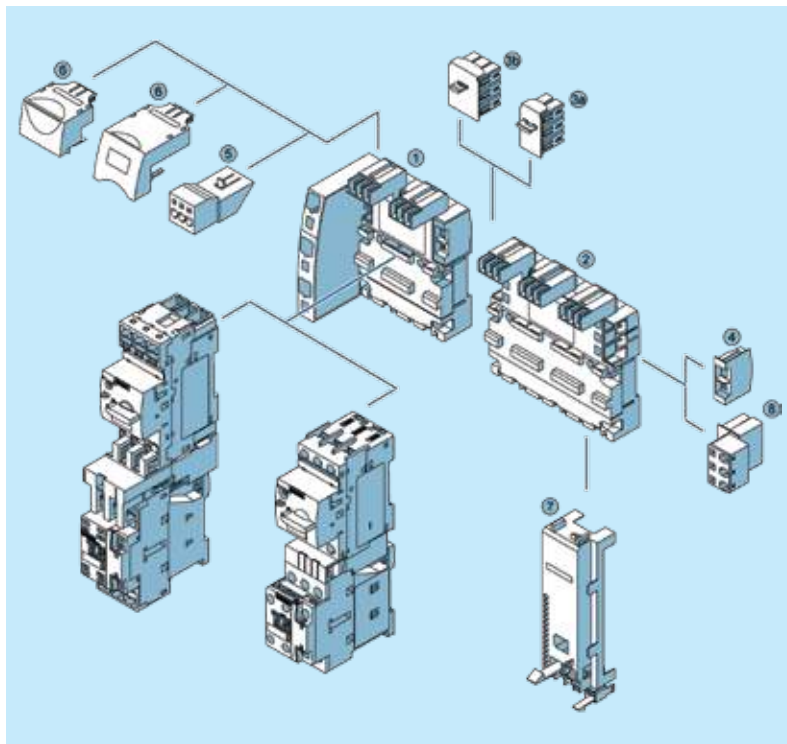


■ Stock items

LP - List Price

3RV29 Infeed system

The 3RV29 infeed system is a convenient means of energy supply and distribution for a group of several motor starter protectors or complete load feeders with a screw or spring-type connection in sizes S00 and S0.



Individual Components

- ① 3-phase busbar with infeed
- ② 3-phase busbar for system expansion
- ③a Expansion plug
- ③b Extra-wide expansion plug
- ④ End cover
- ⑤ Terminal block for device infeed
- ⑥ Plug-in connector
- ⑦ Contactor base
- ⑧ Terminal block

- Maximum current carrying capacity of 63 A
- Enables the integration of MPCB's, 1-phase, 2-phase and 3-phase components such as 5SY miniature circuit breakers or SIRIUS relay components.
- Approved in accordance with IEC to 500 V.
- UL-approved and authorized for Type E starter and Type F starter.

| Legend | Type of accessory | Version | For 3RV20, 3RV23, 3RV24 MPCB only | Type | Unit LP ₹ | Std. pkg. (nos.) |
|--------|--|---|-----------------------------------|---------------|-----------|------------------|
| ①* | Three-phase busbars with infeed (incl. 3RV2917-6A end cover) | For 2 motor starter protectors with screw or spring-type terminals With infeed on the left | S00, S0 | 3RV2917-1A | 1510.- | 1 |
| | | For 2 motor starter protectors with screw or spring-type terminals With infeed on the Right | S00, S0 | 3RV2917-1E | 1510.- | 1 |
| ②+ | Three-phase busbars for system expansion (incl. 3RV2917-5BA00 expansion plug) | For 2 motor starter protectors with screw or spring-type terminals | S00, S0 | 3RV2917-4A | 915.- | 1 |
| | | For 3 motor starter protectors with screw or spring-type terminals | S00, S0 | 3RV2917-4B | 1215.- | 1 |
| ③+ | Expansion Plug (as spare part) | | | 3RV2917-5BA00 | 305.- | 1 |
| | Extra-wide expansion plugs (as accessory) | | | 3RV2917-5E | 685.- | 1 |
| ④+ | End covers (as spare part) | | | 3RV2917-6A | 35.- | 10 |
| ⑤+ | Terminal blocks | for device infeed | | 3RV2917-5FA00 | 1040.- | 1 |
| ⑥* | Plug-in connectors to make contact with motor starter protectors | For spring-type terminals | S00 | 3RV2917-5AA00 | 265.- | 1 |
| | | | S0 | 3RV2927-5AA00 | 265.- | 1 |
| | | For Screw-type terminals | S00 | 3RV2917-5CA00 | 265.- | 1 |
| | | | S0 | 3RV1927-5AA00 | 300.- | 1 |
| ⑦^ | Contactor bases for mounting direct-on-line or reversing starters | For contactors | contactors S00, S0 | 3RV2927-7AA00 | 225.- | 1 |
| ⑧+ | Terminal blocks | for integration of single-phase, two-phase and three-phase components | | 3RV2917-5D | 1080.- | 1 |

* Required + Optional ^ Required for Reversing DOL

Reversing contactor Assemblies - 3RA23



Screw terminals

| Size | AC-3 operational current I _e upto 415V A | Motor rating at 415V, 50Hz kW | AC Coil | | | | DC Coil | | | |
|------|--|----------------------------------|--|--------------------|--------------|------------------|---|---------------------------------|--------------|------------------|
| | | | Rated control supply voltage U _s at 50/60Hz V AC | Type* | Unit LP ₹ | Std. pkg. (nos.) | Rated control supply voltage U _s V DC | Type* | Unit LP ₹ | Std. pkg. (nos.) |
| S00 | 7 | 3 | 230 | 3RA2315-8XB30-1A0 | 3900.- | 1 | 24 | 3RA2315-8XB30-1BB4 | 5175.- | 1 |
| | 9 | 4 | 230 | 3RA2316-8XB30-1A0 | 4115.- | 1 | 24 | 3RA2316-8XB30-1BB4 | 5590.- | 1 |
| | 12 | 5.5 | 230 | 3RA2317-8XB30-1A0 | 4300.- | 1 | 24 | 3RA2317-8XB30-1BB4 | 6250.- | 1 |
| | 16 | 7.5 | 230 | 3RA2318-8XB30-1A0 | 5095.- | 1 | 24 | 3RA2318-8XB30-1BB4 | 7340.- | 1 |
| S0 | 12 | 5.5 | 230 | 3RA2324-8XB30-1AL2 | 5090.- | 1 | 24 | 3RA2324-8XB30-1BB4 | 6835.- | 1 |
| | 17 | 7.5 | 230 | 3RA2325-8XB30-1AL2 | 5680.- | 1 | 24 | 3RA2325-8XB30-1BB4 | 7840.- | 1 |
| | 25 | 11 | 230 | 3RA2326-8XB30-1AL2 | 6850.- | 1 | 24 | 3RA2326-8XB30-1BB4 | 10390.- | 1 |
| | 32 | 15 | 230 | 3RA2327-8XB30-1AL2 | 12565.- | 1 | 24 | 3RA2327-8XB30-1BB4 | 20350.- | 1 |
| S2 | 38 | 18.5 | 230 | 3RA2328-8XB30-1AL2 | 17630.- | 1 | 24 | 3RA2328-8XB30-1BB4 | 23015.- | 1 |
| | 50 | 22 | 230 | 3RA2336-8XB30-1AL2 | 19875.- | 1 | 20...33 | 3RA2336-8XB30-1NB3 [€] | 30580.- | 1 |
| | 65 | 30 | 230 | 3RA2337-8XB30-1AL2 | 26625.- | 1 | 20...33 | 3RA2337-8XB30-1NB3 [€] | 34175.- | 1 |
| S3 | 80 | 37 | 230 | 3RA2338-8XB30-1AL2 | 33450.- | 1 | 20...33 | 3RA2338-8XB30-1NB3 [€] | 40505.- | 1 |
| | 95 | 45 | 230 | 3RA2346-8XB30-1AL2 | 41810.- | 1 | 20...33 | 3RA2346-8XB30-1NB3 [€] | 47015.- | 1 |
| | 110 | 55 | 230 | 3RA2347-8XB30-1AL2 | 48055.- | 1 | 20...33 | 3RA2347-8XB30-1NB3 [€] | 51720.- | 1 |

Star Delta Contactor Assemblies - 3RA24



Screw terminals

| Size | AC-3 operational current I _e upto 415V A | Motor rating at 415V, 50Hz kW | AC Coil ⁵ | | | | DC Coil ⁶ | | | |
|-------------|--|----------------------------------|--|--------------------|--------------|------------------|---|---------------------------------|--------------|------------------|
| | | | Rated control supply voltage U _s at 50/60Hz V AC | Type* | Unit LP ₹ | Std. pkg. (nos.) | Rated control supply voltage U _s V DC | Type* | Unit LP ₹ | Std. pkg. (nos.) |
| S00-S00-S00 | 12 | 5.5 | 230 | 3RA2415-8XF31-1A0 | 9550.- | 1 | 24 | 3RA2415-8XF31-1BB4 | 11210.- | 1 |
| | 17 | 7.5 | 230 | 3RA2416-8XF31-1A0 | 10060.- | 1 | 24 | 3RA2416-8XF31-1BB4 | 12205.- | 1 |
| | 25 | 11 | 230 | 3RA2417-8XF31-1A0 | 10545.- | 1 | 24 | 3RA2417-8XF31-1BB4 | 13040.- | 1 |
| S0-S0-S0 | 25 | 11 | 230 | 3RA2423-8XF32-1AL2 | 11795.- | 1 | 24 | 3RA2423-8XF32-1BB4 | 14535.- | 1 |
| | 32/40 | 15/18.5 | 230 | 3RA2425-8XF32-1AL2 | 13570.- | 1 | 24 | 3RA2425-8XF32-1BB4 | 43485.- | 1 |
| | 50 | 22 | 230 | 3RA2426-8XF32-1AL2 | 19660.- | 1 | 24 | 3RA2426-8XF32-1BB4 | 29125.- | 1 |
| S2-S2-S0 | 50/65 | 22/30 | 230 | 3RA2434-8XF32-1AL2 | 26550.- | 1 | 20...33 | 3RA2434-8XF32-1NB3 [€] | 39880.- | 1 |
| | 80 | 37 | 230 | 3RA2435-8XF32-1AL2 | 27710.- | 1 | 20...33 | 3RA2435-8XF32-1NB3 [€] | 45500.- | 1 |
| | 86 | 45 | 230 | 3RA2436-8XF32-1AL2 | 33325.- | 1 | 20...33 | 3RA2436-8XF32-1NB3 [€] | 49025.- | 1 |
| S2-S2-S2 | 115 | 55 | 230 | 3RA2437-8XF32-1AL2 | 40615.- | 1 | 20...33 | 3RA2437-8XF32-1NB3 [€] | 52915.- | 1 |
| S3-S3-S2 | 150 | 75 | 230 | 3RA2445-8XF32-1AL2 | 44485.- | 1 | 20...33 | 3RA2445-8XF32-1NB3 [€] | 58210.- | 1 |
| | 160 | 90 | 230 | 3RA2446-8XF32-1AL2 | 59610.- | 1 | 20...33 | 3RA2446-8XF32-1NB3 [€] | 69850.- | 1 |

* For ordering above assembly with Spring type terminals, please replace 13th digit from "1 to 2" for S00, S0

€ - Universal operation AC / DC

Above assemblies are also available as "ready to assemble kit" please refer page no. 22-29

Please contact nearest sales office for other coil voltages and with communication interface

Spares coils



Magnetic coils for 3RT2 (S0, S2, S3)

| Size | AC Coil | | | | | Universal Coil (AC/DC) | | | | |
|------|--|---|---------------|------------|------------------|-------------------------------|---|---------------|------------|------------------|
| | Contactor type | Rated control supply voltage U_s at 50/60 Hz V AC | Type | Unit MRP ₹ | Std. pkg. (nos.) | Contactor type | Rated control supply voltage U_s V DC | Type | Unit MRP ₹ | Std. pkg. (nos.) |
| S0 | 3RT20 23 3RT20 24 3RT20 25 | 24V | 3RT2924-5AC21 | 560.- | 1 | | | | | |
| | | 110V | 3RT2924-5AG21 | | 1 | | | | | |
| | | 230V | 3RT2924-5AL21 | | 1 | | | | | |
| | | 400V, 50Hz | 3RT2924-5AV01 | | 1 | | | | | |
| | 3RT20 26 3RT20 27 3RT20 28 3RT23 25 3RT23 26 3RT25 26 | 24V | 3RT2926-5AC21 | | 1 | | | | | |
| | | 110V | 3RT2926-5AG21 | | 1 | | | | | |
| | | 230V | 3RT2926-5AL21 | | 1 | | | | | |
| | | 400V, 50Hz | 3RT2926-5AV01 | | 1 | | | | | |
| S2 | 3RT20 3 3RT23 3 3RT25 3 | 24V | 3RT2934-5AC21 | 2500.- | 1 | 3RT20 3 3RT23 3 3RT25 3 | 20 ... 33 | 3RT2934-5NB31 | 3165.- | 1 |
| | | 110V | 3RT2934-5AG21 | 1 | 83 ... 155 | | 3RT2934-5NF31 | 1 | | |
| | | 230V | 3RT2934-5AL21 | 1 | 175 ... 280 | | 3RT2934-5NP31 | 1 | | |
| S3 | 3RT20 4 3RT23 4 3RT25 4 | 24V | 3RT2944-5AB01 | 2625.- | 1 | 3RT20 4 3RT23 4 3RT25 4 | 20 ... 33 | 3RT2944-5NB31 | 3555.- | 1 |
| | | 110V | 3RT2944-5AF01 | | 1 | | 83 ... 155 | 3RT2944-5NF31 | | 1 |
| | | 230V | 3RT2944-5AP01 | | 1 | | 175 ... 280 | 3RT2944-5NP31 | | 1 |

Magnetic coils for 3RT1 (S3)

| Size | AC Coil | | | | | DC Coil | | | | |
|------|---|---|---------------|------------|------------------|--|---|---------------|------------|------------------|
| | Contactor type | Rated control supply voltage U_s at 50/60 Hz V AC | Type | Unit MRP ₹ | Std. pkg. (nos.) | Contactor type | Rated control supply voltage U_s V DC | Type | Unit MRP ₹ | Std. pkg. (nos.) |
| S3 | 3RT10 44 | 24V | 3RT1944-5AC21 | 2595.- | 1 | 3RT10 4 3RT13 4 3RT14 4 3RT15 4 | 24V | 3RT1944-5BB41 | 3485.- | 1 |
| | | 110V | 3RT1944-5AG21 | | 1 | | 110V | 3RT1944-5BF41 | | 1 |
| | | 230V | 3RT1944-5AL21 | | 1 | | 220V | 3RT1944-5BM41 | | 1 |
| | | 400V | 3RT1944-5AV01 | | 2650.- | | 1 | | | |
| | 3RT10 45/46 3RT13 4. 3RT14 46 3RT15 4. | 24V | 3RT1945-5AC21 | 2595.- | 1 | | | | | |
| | | 110V | 3RT1945-5AG21 | | 1 | | | | | |
| | | 230V | 3RT1945-5AL21 | | 1 | | | | | |
| | | 400V | 3RT1945-5AV01 | | 2720.- | 1 | | | | |

Withdrawable coils (S10, S12)

Conventional operating mechanism

| Size | AC Coil | | | | |
|------|----------------|--|-----------------|-----------|------------------|
| | Contactor type | Rated control supply voltage U _c at 40 to 60Hz AC, DC V AC/DC | Type | Unit LP ₹ | Std. pkg. (nos.) |
| S10 | 3RT12 6 | 23...26V AC/DC | 3RT1966-5AB31 | 8535.- | 1 |
| | | 110...127V AC/DC | 3RT1966-5AF31 | | 1 |
| | | 220...240V AC/DC | 3RT1966-5AP31 | | 1 |
| S12 | 3RT12 7 | 23...26V AC/DC | 3RT1975-5AB31 | 10260.- | 1 |
| | | 110...127V AC/DC | 3RT1975-5AF318K | | 1 |
| | | 220...240V AC/DC | 3RT1975-5AP318K | | 1 |

Solid-state operating mechanism (24V DC PLC output)

| Size | DC Coil | | | | |
|------|----------------|--|---------------|-----------|------------------|
| | Contactor type | Rated control supply voltage U _c at 40 to 60Hz AC, DC V AC/DC | Type | Unit LP ₹ | Std. pkg. (nos.) |
| S10 | 3RT12 6 | 96...127V | 3RT1966-5NF31 | 11005.- | 1 |
| | | 200...277V | 3RT1966-5NP31 | | 1 |
| S12 | 3RT12 7 | 21...27.3V | 3RT1975-5NB31 | 14525.- | 1 |
| | | 96...127V | 3RT1975-5NF31 | | 1 |
| | | 200...277V | 3RT1975-5NP31 | | 1 |

For 24 V DC PLC output/PLC relay output, with remaining lifetime indicator (RLT) [Withdrawable coil with lateral solid-state module]

| Size | AC Coil | | | | |
|------|--------------------|--|---------------|-----------|------------------|
| | Contactor type | Rated control supply voltage U _c at 40 to 60Hz AC, DC V AC/DC | Type | Unit LP ₹ | Std. pkg. (nos.) |
| S6 | 3RT10 5 3RT14 5 | 96...127V AC/DC | 3RT1955-5PF31 | 16505.- | 1 |
| | | 200...277V AC/DC | 3RT1955-5PP31 | 16505.- | 1 |
| S10 | 3RT10 6 3RT14 6 | 96...127V AC/DC | 3RT1965-5PF31 | 20915.- | 1 |
| | | 200...277V AC/DC | 3RT1965-5PP31 | 20915.- | 1 |
| S12 | 3RT10 7 3RT14 7 | 96...127V AC/DC | 3RT1975-5PF31 | 27895.- | 1 |
| | | 200...277V AC/DC | 3RT1975-5PP31 | 27895.- | 1 |



Spare parts for 3RT contactors

Arc Chambers for 3RT10 / 3RT14

| Size | Contactor type | Version | Type | Unit LP ₹ | Std. pkg. (nos.) |
|------|------------------------|-------------------|------------|-----------|------------------|
| S6 | 3RT10 54 | Arc chutes 3-pole | 3RT1954-7A | 2610.- | 1 |
| | | | 3RT1955-7A | 2950.- | 1 |
| | | | 3RT1956-7A | 3250.- | 1 |
| S10 | 3RT10 64 | Arc chutes 3-pole | 3RT1964-7A | 3335.- | 1 |
| | | | 3RT1965-7A | 3600.- | 1 |
| | | | 3RT1966-7A | 3715.- | 1 |
| S12 | 3RT10 75 | Arc chutes 3-pole | 3RT1975-7A | 4180.- | 1 |
| | | | 3RT1976-7A | 4305.- | 1 |
| S6 | 3RT14 56 ¹⁾ | | 3RT1956-7B | 4320.- | 1 |
| S10 | 3RT14 66 ¹⁾ | | 3RT1966-7B | 5045.- | 1 |
| S12 | 3RT14 76 ¹⁾ | | 3RT1976-7B | 5970.- | 1 |

1) For 3RT14 AC-1 duty power contactors

Adaptor plates

| Description (Adaptor plates for using in place of 3TF/3TR contactors) | Type | Unit LP ₹ | MOQ |
|---|-----------|-----------|-----|
| 3RT10/3RT20 15/16/17 replacing 3TF/3TR 30/31 | 3TX80120A | 105.- | 5 |
| 3RT10/3RT20 25/26 replacing 3TF/3TR 32/33 | 3TX80250A | 160.- | 5 |
| 3RT10 34/35 replacing 3TF/3TR 34/35 | 3TX80400A | 225.- | 5 |
| 3RT10 36 replacing 3TF/3TR 46 | 3TX80500A | 260.- | 5 |
| 3RT10 44/45 replacing 3TF/3TR 47 / 3TF 477 | 3TX80800A | 530.- | 1 |
| 3RT10 45/46 replacing 3TF/3TR 48/49 | 3TX80950A | 545.- | 1 |
| 3RT10 56 replacing 3TF/3TR 52 | 3TX81850A | 950.- | 1 |
| 3RT10 64 replacing 3TF/3TR 53 | 3TX82250A | 1010.- | 1 |

To replace existing contactor of any other brand please contact nearest sales office.

| Description (Adaptor plates for using in place of old relay terminal block required for independent mounting) | Type | Unit LP ₹ | MOQ |
|---|---------|-----------|-----|
| 3RU29/3RU19 (1.8-25A) replacing 3UA/3UR 52 (1-25A) | 3UX8025 | 260.- | 1 |
| 3RU19 (5.5-50A) replacing 3UA/3UR 55 (10-45A) | 3UX8050 | 325.- | 1 |
| 3RU19 (18-100A) replacing 3UA/3UR 58 (16-95A) & replacing 3UA/3UR 5830 (70-120A) | 3UX8100 | 355.- | 1 |

Contacts with fixing parts

For 3RT20 & 3RT10, 3 pole power contactors
1 set = 3 moving and 6 fixed switching contacts
with fixing parts

| Size | Contactor type | Type | Unit LP ₹ | Std. pkg. (nos.) |
|------|----------------|------------|-----------|------------------|
| S2 | 3RT20 36 | 3RT2936-6A | 3145.- | 1 |
| | 3RT20 37 | 3RT2937-6A | 4190.- | 1 |
| | 3RT20 38 | 3RT2938-6A | 5585.- | 1 |
| S3 | 3RT20 46 | 3RT2946-6A | 5665.- | 1 |
| | 3RT20 47 | 3RT2947-6A | 7665.- | 1 |
| S3 | 3RT10 44 | 3RT1944-6A | 4400.- | 1 |
| | 3RT10 45 | 3RT1945-6A | 5855.- | 1 |
| | 3RT10 46 | 3RT1946-6A | 7885.- | 1 |
| S6 | 3RT10 54 | 3RT1954-6A | 8605.- | 1 |
| | 3RT10 55 | 3RT1955-6A | 10800.- | 1 |
| | 3RT10 56 | 3RT1956-6A | 13750.- | 1 |
| S10 | 3RT10 64 | 3RT1964-6A | 15580.- | 1 |
| | 3RT10 65 | 3RT1965-6A | 17410.- | 1 |
| | 3RT10 66 | 3RT1966-6A | 20540.- | 1 |
| S12 | 3RT10 75 | 3RT1975-6A | 27120.- | 1 |
| | 3RT10 76 | 3RT1976-6A | 34825.- | 1 |

For 3RT14 AC-1 duty power contactors
1 set = 3 movable and 6 fixed switching elements
with fixing parts

| Size | Contactor type | Type | Unit LP ₹ | Std. pkg. (nos.) |
|------|----------------|------------|-----------|------------------|
| S3 | 3RT14 46 | 3RT1946-6D | 13005.- | 1 |
| S6 | 3RT14 56 | 3RT1956-6D | 20895.- | 1 |
| S10 | 3RT14 66 | 3RT1966-6D | 32540.- | 1 |
| S12 | 3RT14 76 | 3RT1976-6D | 41780.- | 1 |

For 3RT23 & 3RT13, 4 pole AC-1 duty contactors
1 set = 4 movable and 8 fixed switching elements
with fixing parts

| Size | Contactor type | Type | Unit LP ₹ | Std. pkg. (nos.) |
|------|----------------|------------|-----------|------------------|
| S2 | 3RT23 36 | 3RT2936-6E | 3850.- | 1 |
| | 3RT23 37 | 3RT2937-6E | 4440.- | 1 |
| S3 | 3RT13 44 | 3RT1944-6E | 12095.- | 1 |
| | 3RT13 46 | 3RT1946-6E | 15125.- | 1 |

Spares for 3RT12 vacuum contactors

| For contactor | Type | Unit LP ₹ | Std. pkg. (nos.) |
|--|--|--|-------------------------------|
| Spare coils | | | |
| 3RT126 | 4) | 3RT1966-5A..1 | 8535.- |
| 3RT127 | 23 ... 26 380 ... 420 110 ... 127 220 ... 240 | 3RT1975-5AB31 3RT1975-5AV31 3RT1975-5AF318K 3RT1975-5AP318K | 10260.- |
| Solid state operating mechanism | | | |
| 3RT126 | 96... 127V AC/DC 200...277V AC/DC | 3RT1966-5NF31 3RT1966-5NP31 | 11005.- |
| 3RT127 | 200...277V AC/DC | 3RT1975-5NP31 | 14525.- |
| Spare vacuum bottles (set of 3) | | | |
| 3RT1264 3RT1265 3RT1266 | | 3RT1964-6V 3RT1965-6V 3RT1966-6V | 55230.- 63775.- 77805.- |
| 3RT1275 3RT1276 | | 3RT1975-6V 3RT1976-6V | 94020.- 113170.- |

4) Coil voltage (AC/DC) - Please enter coil codes from table below

| Code | B3 | F3 | P3 | V3 |
|------------------|-------|---------|---------|---------|
| Coil voltage (V) | 23-26 | 110-127 | 220-240 | 380-420 |



Contactor relays - SICONT^{Plus} 3TH3

| Contactor size | Rated current (A) le AC15 at 230V | AC 50 Hz coil (LPs for 110, 230, 415V) | | | | DC coil (LP*s for 24, 110, 220V) | | | |
|----------------|-----------------------------------|--|---------------------------------------|-----------|------------------|----------------------------------|---------------------------------------|-----------|------------------|
| | | Aux. contacts | Type Pl. fill in coil voltage code | Unit LP ₹ | Std. pkg. (nos.) | Aux. contacts | Type Pl. fill in coil voltage code | Unit LP ₹ | Std. pkg. (nos.) |
| 0 | 10 | 4NO ^S | ■ 3TH3040-0A.. | 1165.- | 1 | 4NO ^S | ■ 3TH3040-0B.. | 1630.- | 1 |
| | | 3NO + 1NC ^S | ■ 3TH3031-0A.. | | 1 | 3NO + 1NC ^S | ■ 3TH3031-0B.. | | 1 |
| | | 2NO + 2NC ^S | ■ 3TH3022-0A.. | | 1 | 2NO + 2NC ^S | ■ 3TH3022-0B.. | | 1 |

Power contactors - SICOP 3TF

| Size | Rated current (A) le AC3 upto 415V | Motor kW at 415V 50Hz, 3ph | AC 50 Hz coil (LPs for 110, 230, 415V) | | | | DC coil (LPs for 24, 110, 220V) | | | |
|------|------------------------------------|----------------------------|--|---------------------------------------|-----------|------------------|---------------------------------|---------------------------------------|-----------|------------------|
| | | | Auxiliary contacts | Type Pl. fill in coil voltage code | Unit LP ₹ | Std. pkg. (nos.) | Auxiliary contacts | Type Pl. fill in coil voltage code | Unit LP ₹ | Std. pkg. (nos.) |
| 0 | 9 | 4 | 1NO ^S | ■ 3TF3010-0A.. | 1020.- | 1 | 1NO ^S | ■ 3TF3010-0B.. | 1770.- | 1 |
| | | | 1NC ^S | ■ 3TF3001-0A.. | | | 1NC ^S | ■ 3TF3001-0B.. | | |
| | 12 | 5.5 | 1NO ^S | ■ 3TF3110-0A.. | 1150.- | 1 | 1NO ^S | ■ 3TF3110-0B.. | 1910.- | 1 |
| | | | 1NC ^S | ■ 3TF3101-0A.. | | | 1NC ^S | ■ 3TF3101-0B.. | | |
| 1 | 16 | 7.5 | - ^S | ■ 3TF3200-0A.. | 1160.- | 1 | - ^S | ■ 3TF3200-0B.. | 2195.- | 1 |
| | 22 | 11 | - ^S | ■ 3TF3300-0A.. | 1600.- | 1 | - ^S | ■ 3TF3300-0B.. | 2950.- | 1 |
| 2 | 32 | 15 | - ^S | ■ 3TF3400-0A.. | 3515.- | 1 | - ^S | ■ 3TF3400-0B.. | 6895.- | 1 |
| | 38 | 18.5 | - ^S | ■ 3TF3500-0A.. | 5285.- | 1 | - ^S | ■ 3TF3500-0B.. | 7990.- | 1 |
| | 40 | 18.5 | - ^S | ■ 3TF3500-0A..ZT00^ | 5365.- | 1 | - ^S | ■ 3TF3500-0B..ZT00^ | 8060.- | 1 |

| Size | Rated current (A) le AC3 upto 415V | Motor kW at 415V 50Hz, 3ph | AC 50 Hz coil (LPs for 110, 230, 415V) | | | | DC coil (LPs for 24, 110, 220V) | | | |
|------|------------------------------------|----------------------------|--|---------------------------------------|-------------|------------------|---------------------------------|---------------------------------------|-------------|------------------|
| | | | Auxiliary contacts | Type Pl. fill in coil voltage code | Unit LP ₹ | Std. pkg. (nos.) | Auxiliary contacts | Type Pl. fill in coil voltage code | Unit LP ₹ | Std. pkg. (nos.) |
| 3 | 45 | 22 | 2NO + 2NC ^S | ■ 3TF4602-0A..ZA01 [®] | 7300.- | 1 | 2NO + 2NC ^S | 3TF4602-0D..ZA01 [®] | 11380.- | 1 |
| | 63 | 30 | 2NO + 2NC ^S | ■ 3TF4702-0A..ZA01 [®] | 10360.- | 1 | 2NO + 2NC ^S | 3TF4702-0D..ZA01 [®] | 13210.- | 1 |
| | 65 | 30 | 2NO + 2NC ^S | ■ 3TF4702-0A..ZT00^ | 10435.- | 1 | 2NO + 2NC ^S | 3TF4702-0D..ZT00^ | 13335.- | 1 |
| | 70 | 37 | 2NO + 2NC ^S | ■ 3TF4772-0A.. | 11105.- | 1 | 2NO + 2NC ^S | 3TF4772-0D.. | 14265.- | 1 |
| 4 | 75 | 42 | 2NO + 2NC ^S | ■ 3TF4822-0A..ZA01 [®] | 13295.- | 1 | 2NO + 2NC ^S | 3TF4822-0D..ZA01 [®] | 16280.- | 1 |
| | 85 | 45 | 2NO + 2NC ^S | ■ 3TF4922-0A..ZA01 [®] | 15605.- | 1 | 2NO + 2NC ^S | 3TF4922-0D..ZA01 [®] | 18925.- | 1 |
| 6 | 110 | 55 | 2NO + 2NC ^S | ■ 3TF5002-0A.. | 18880.- | 1 | 2NO + 2NC ^S | 3TF5002-0D.. | 21640.- | 1 |
| | 140 | 75 | 2NO + 2NC ^S | ■ 3TF5102-0A.. | 25145.- | 1 | 2NO + 2NC ^S | 3TF5102-0D.. | 30005.- | 1 |
| 8 | 170 | 90 | 2NO + 2NC ^S | ■ 3TF5202-0A.. | 32670.- | 1 | 2NO + 2NC ^S | 3TF5202-0D.. | 38565.- | 1 |
| | 205 | 110 | 2NO + 2NC ^S | ■ 3TF5302-0A.. | 35735.- | 1 | 2NO + 2NC ^S | 3TF5302-0D.. | 43110.- | 1 |
| 10 | 250 | 132 | 2NO + 2NC ^S | ■ 3TF5402-0A.. | 41435.- | 1 | 2NO + 2NC ^S | 3TF5402-0D.. ¹⁾ | 48115.- | 1 |
| | 300 | 160 | 2NO + 2NC ^S | ■ 3TF5502-0A.. | 50630.- | 1 | 2NO + 2NC ^S | 3TF5502-0D.. ¹⁾ | 55330.- | 1 |
| 12 | 400 | 200 | 2NO + 2NC ^S | ■ 3TF5602-0A.. | 62215.- | 1 | 2NO + 2NC ^S | 3TF5602-0D.. ¹⁾ | 66980.- | 1 |
| | 475 | 250 | 2NO + 2NC ^S | ■ 3TF5702-0C.. | 86705.- | 1 | refer page no. 6 | | | |
| 14 | 630 | 355 | 4NO + 4NC | 3TF6844-0C.. | refer | 1 | 3NO + 3NC | 3TF6833-1D.. ²⁾ | refer | 1 |
| | 820 | 450 | 4NO + 4NC | 3TF6944-0C.. | page no. 10 | 1 | 3NO + 3NC | 3TF6933-1D.. ²⁾ | page no. 10 | 1 |

1) Please connect DC coil circuit as recommended in operating instruction.

2) LP* includes control contactor

® For box type (SIGUT) terminals, order 2 nos 3TX7 460-0E, LP* ₹ 375.- each.

\$ For more aux. contacts, pl. see table below.

^ For B0,F0,P0 and B4 coil voltage only available

AC 50Hz coil code: 3TF30 to 3TF56, 3TH3

| Coil voltage (V) | 24 | ■ 110 | ■ 230 | ■ 415 |
|------------------|----|-------|-------|-------|
| Code | B0 | F0 | P0 | R0 |

Wide band AC 50 Hz coil code: 3TF30 to 3TF35

| Coil voltage (V) | 70-140 | 150-280 | 260-460 |
|------------------|--------|---------|---------|
| Code | W110 | W220 | W415 |

AC 50/60 Hz coil code: 3TF57/3TF68/69

| Coil voltage (V) | 110-132 | ■ 220-240 | 380-460 |
|------------------|---------|-----------|---------|
| Code | F7 | M7 | Q7 |

DC coil code: 3TF30 to 3TF56, 3TF68/69, 3TH3

| Coil voltage (V) | ■ 24 | 110 | 220 |
|------------------|------|-----|-----|
| Code | B4 | F4 | M4 |

■ Stock items

Please order in multiples of standard packing.

LP - List Price

Auxiliary contact blocks

| For contactor | Description | Type | Unit LP ₹ | Std. pkg. (nos.) |
|----------------------|---|-------------------|-----------|------------------|
| 3TF30 to 35 & 3TH30 | 1NO | ■ 3TX4010-2A | 160.- | 10 |
| | 1NC | ■ 3TX4001-2A | 160.- | 10 |
| | 1NO (Ext) | ■ 3TX4010-4A | 255.- | 10 |
| | 1NC (Ext) | ■ 3TX4001-4A | 255.- | 10 |
| 3TF46 to 3TF57, 3TK5 | Second 1NO+1NC Left Second 1NO+1NC Right | ■ 3TY7561-1KA008K | 745.- | 1 |

Extra LP per unit for non-std coils B0 / M0# / U0# (AC), DC and wide band

| for 3TH, 3TF30 to 33 | 195.- | for 3TF34 to 49 | 230.- | for 3TF50 to 56 | 630.- |
|-------------------------------------|-------|-----------------------------|-------|-----------------|-------|
| Wide band coil for 3TH, 3TF30 to 33 | 195.- | Wide band coil for 3TF34/35 | 230.- | | |

For any non-standard coil or contactor with non standard coil, minimum order quantity should be 100 nos. or minimum order value of ₹1,00,000/- per item.

For non-standard coil voltages not mentioned above, pl. check with Siemens.

M0: 220V AC, U0: 240V AC

Siemens switchgear. Tried, tested, trusted.

2 Pole DC contactors - 3TC



For DC loads
with AC coil, 2NO+2NC aux. contacts

| Contactor size | Rated current Ie (A) DC3/5 | Type ²⁾ | Unit LP ₹ | Std. pkg. (nos.) |
|----------------|----------------------------|--------------------|-----------|------------------|
| 2 | 32 | 3TC4417-0B.. | 15470.- | 1 |
| 4 | 75 | 3TC4817-0B.. | 77030.- | 1 |
| 8 | 220 | 3TC5217-0B.. | 129670.- | 1 |
| 12 | 400 | 3TC5617-0B.. | 221445.- | 1 |

²⁾ AC coil voltage - Please enter coil codes from table below

| Code | F0 | U0 |
|-------------------------|-----|-----|
| Coil voltage (V) (50Hz) | 110 | 240 |

with DC coil, 2NO + 2NC aux. contacts

| Contactor size | Rated current Ie (A) DC3/5 | Type ³⁾ | Unit LP ₹ | Std. pkg. (nos.) |
|----------------|----------------------------|--------------------|-----------|------------------|
| 2 | 32 | 3TC4417-0A.. | 21355.- | 1 |
| 4 | 75 | 3TC4817-0A.. | 92780.- | 1 |
| 8 | 220 | 3TC5217-0A.. | 159410.- | 1 |
| 12 | 400 | 3TC5617-0A.. | 294260.- | 1 |

³⁾ DC coil voltage - Please enter coil codes from table below

| Code | B4 | F4 | M4 |
|------------------|----|-----|-----|
| Coil voltage (V) | 24 | 110 | 220 |

Hoisting duty contactors - 3TF

Under discontinuation

| Contactor size | Rated current Ie (A) AC2/AC3 at 415V | Type ¹⁾ | Unit LP ₹ | Std. pkg. (nos.) |
|----------------|--------------------------------------|--------------------|---|------------------|
| 6 | 110 | 3TF5000-0A.. | Order SIRIUS Energy Efficient Power Contactors Refer Page - 8 | |
| 8 | 170 | 3TF5200-0A.. | | |
| 10 | 250 | 3TF5400-0A.. | | |
| 12 | 400 | 3TF5600-0A.. | | |

¹⁾ AC coil voltage - Please enter coil codes from table below

| Code | F0 | P0 | R0 |
|-------------------------|-----|-----|-----|
| Coil voltage (V) (50Hz) | 110 | 230 | 415 |

Accessories for SICOP / SICONT^{Plus}

Interlocking kit for two 3TF contactors
(inclusive of base plate and interlocking mechanism)

| Contactor type | Type | Unit LP ₹ | Std. pkg. (kits) |
|----------------|-----------------|-----------|------------------|
| 3TF30-35 | ■ 3TX4091-1A# | 520.- | 10 |
| 3TF46/47/47-7 | ■ 3TX7466-1YA0 | 1825.- | 2 |
| 3TF48/49 | ■ 3TX7486-1YA0 | 2970.- | 2 |
| 3TF50/51 | ■ 3TX7506-1YA0 | 3345.- | 2 |
| 3TF52/53 | ■ 3TX7526-1YA0 | 3825.- | 2 |
| 3TF54/55 | ■ 3TX7546-1YA0 | 4600.- | 2 |
| 3TF56/57 | ■ 3TX7566-1YA0 | 4915.- | 2 |
| 3TF50/52 | 3TX7526-1YA09 | 3825.- | 2 |
| 3TF52/54 | ■ 3TX7546-1YA09 | 4600.- | 2 |

Note: Higher rating upon enquiry # W/o base plate (not required)

Adaptor plates for replacing 3TA by SICOP contactors

| Adaptor plates, to replace | Type | Unit LP ₹ | Std. pkg. (nos.) |
|---|--------------|-----------|------------------|
| 3TA61-0A by 3TH30-0A | 3TX6406-0A | 95.- | 5 |
| 3TA67/21 by 3TH30, 3TF30/31 3TA21/11 by 3TF32/33 | 3TX2143-1YA0 | 95.- | 5 |
| 3TA22/13 by 3TF32-35 | 3TX2242-1YA0 | 145.- | 5 |
| 3TA24 by 3TF46/47/477 | 3TX2446-1YA0 | 220.- | 5 |
| 3TA24/16 by 3TF48/49 | 3TX1648-1YA0 | 220.- | 5 |
| 3TA16 by 3TF50/51 | 3TX1650-1YA0 | 535.- | 5 |
| 3TA28 by 3TF50/51 | 3TX2850-1YA0 | 535.- | 5 |
| 3TA28 by 3TF52/53 | 3TX2852-1YA0 | 630.- | 5 |



| Coil voltage | | Type | Unit LP ₹ | Std. pkg. (nos.) |
|--|------------|----------------|-----------|------------------|
| AC | DC | | | |
| Surge suppressor (varistor) for 3TF30-35, 3TH30 | | | | |
| 24 - 48 V | 24 - 70 V | ■ 3TX7402-3GY1 | 465.- | 10 |
| 48 - 127V | 70 - 150V | ■ 3TX7402-3HY1 | 465.- | 10 |
| 127 - 240V | 150 - 250V | ■ 3TX7402-3JY1 | 465.- | 10 |
| 240 - 400V | — | 3TX7402-3KY1 | 600.- | 10 |
| 400 - 600V | — | 3TX7402-3LY1 | 600.- | 10 |
| Surge suppressor (varistor) for 3TF46-56 | | | | |
| Less than 48V | 24 - 70V | ■ 3TX7462-3GY1 | 640.- | 10 |
| 48 - 127V | 70 - 150V | ■ 3TX7462-3HY1 | | 10 |
| 127 - 240V | 150 - 250V | ■ 3TX7462-3JY1 | | 10 |
| 240 - 400V | — | 3TX7462-3KY1 | 675.- | 10 |
| 400 - 600V | — | 3TX7462-3LY1 | 675.- | 10 |
| Surge suppressor (RC unit) for 3TF30-35, 3TH30 | | | | |
| 24 - 48 V | 24 - 70 V | 3TX7402-3RY2 | 740.- | 10 |
| 48 - 127V | 70 - 150V | 3TX7402-3SY2 | | 10 |
| 127 - 240V | 150 - 250V | 3TX7402-3TY2 | | 10 |
| 240 - 400V | — | 3TX7402-3UY2 | | 10 |
| 400 - 600V | — | 3TX7402-3VY2 | | 10 |

Spares for SICOP and SICONT^{Plus} contactors

SICOP main contact kits (set of 6 fixed & 3 moving contacts)

| For Contactor (AC3 Rating) | Type | LP per set ₹ | Std. pkg. (nos.) |
|----------------------------|-------------------------|--------------|------------------|
| 3TF32/42 (16A) | ■ 3TY7420-0A | 710.- | 1 |
| 3TF33/43 (22A) | ■ 3TY7430-0A | 990.- | 1 |
| 3TF34 (32A) | ■ 3TY7340-0C | 1900.- | 1 |
| 3TF35 (38A) | ■ 3TY7350-0C | 2900.- | 1 |
| 3TF44 (32A) | ■ 3TY7440-0A | 2100.- | 1 |
| 3TF45 (38A) | ■ 3TY7450-0A | 2900.- | 1 |
| 3TF46 (45A) | ■ 3TY7460-0YA | 3105.- | 1 |
| 3TF47 (63A) | ■ 3TY7470-0YA | 4530.- | 1 |
| 3TF477 (70A) | ■ 3TY7477-0YA | 5250.- | 1 |
| 3TF48 (75A) | ■ 3TY7480-0A | 6045.- | 1 |
| 3TF49 (85A) | ■ 3TY7490-0A | 8095.- | 1 |
| 3TF50 (110A) | ■ 3TY7500-0YA | 8825.- | 1 |
| 3TF51 (140A) | ■ 3TY7510-0YA | 11105.- | 1 |
| 3TF52 (170A) | ■ 3TY7520-0YA | 13955.- | 1 |
| 3TF53 (205A) | ■ 3TY7530-0YA | 14895.- | 1 |
| 3TF54 (250A) | ■ 3TY7540-0YA | 17910.- | 1 |
| 3TF55 (300A) | ■ 3TY7550-0YA | 21060.- | 1 |
| 3TF56 (400A) | ■ 3TY7560-0YA | 27860.- | 1 |
| 3TF57 (475A) | 3TY7570-0YA | 37130.- | 1 |
| 3TF68 (630A) | 3TY7680-0B [§] | 188705.- | 1 |
| 3TF69 (820A) | 3TY7690-0B [§] | 303190.- | 1 |

§ Set of 3x vacuum bottles.

Auxiliary contact blocks

| For contactor | Description | Type | Unit LP ₹ | Std. pkg. (nos.) |
|----------------------|-------------------------------------|------------------|-----------|------------------|
| 3TF46-57 | 1NO + 1NC (Extd) Right | 3TY7561-1E | 960.- | 1 |
| 3TF46 to 3TF57, 3TK5 | Built-in, 1NO+1NC Left / Right | 3TY7561-1AA00-8K | 745.- | 1 |
| | Add-on, Second 1NO+1NC Left / Right | 3TY7561-1KA00-8K | 745.- | 1 |
| 3TF46/47/47 7 | Special block, DC coil circuit | 3TY7461-1F | 980.- | 1 |
| 3TF48-56 | Special block, DC coil circuit | 3TY7481-1F | 980.- | 1 |
| 3TF57 | Special block, DC coil circuit | 3TY7681-1G | 1135.- | 1 |

DC coils

| For contactor | Type [†] | Unit LP ₹ | | Std. pkg. (nos.) |
|----------------------|-------------------|---------------------|-----------------------------|------------------|
| | | For 24/110/220/250V | For all other coil voltages | |
| 3TH3, 3TF30-33/42/43 | ■ 3TY4803-0B.. | 865.- | 1025.- | 1 |
| 3TF34/35/44/45 | 3TY7443-0B.. | 1300.- | 1535.- | 1 |
| 3TF46/47/477 | 3TY7463-0D.. | 4000.- | 4220.- | 1 |
| 3TF48/49 | 3TY7483-0D.. | 6845.- | 7080.- | 1 |
| 3TF50/51 | 3TY7503-0D.. | 10705.- | 11320.- | 1 |
| 3TF52/53 | 3TY7523-0D.. | 16630.- | NA | 1 |

■ Stock items

LP - List Price

SICOP arc chambers

| For Contactor | Type | Unit LP ₹ | Std. pkg. (nos.) |
|---------------|-------------|-----------|------------------|
| 3TF34 | 3TY7342-0C | 515.- | 1 |
| 3TF35 | 3TY7352-0C | 545.- | 1 |
| 3TF46 | 3TY7462-0YA | 1065.- | 1 |
| 3TF47 | 3TY7472-0YA | 1300.- | 1 |
| 3TF477 | 3TY7477-0YD | 1565.- | 1 |
| 3TF48 | 3TY7482-0A | 1885.- | 1 |
| 3TF49 | 3TY7492-0A | 2175.- | 1 |
| 3TF50 | 3TY7502-0YA | 2585.- | 1 |
| 3TF51 | 3TY7512-0YA | 2945.- | 1 |
| 3TF52 | 3TY7522-0YA | 3230.- | 1 |
| 3TF53 | 3TY7532-0YA | 3330.- | 1 |
| 3TF54 | 3TY7542-0YA | 3590.- | 1 |
| 3TF55 | 3TY7552-0YA | 3695.- | 1 |
| 3TF56 | 3TY7562-0YA | 4165.- | 1 |
| 3TF57 | 3TY7572-0YA | 4280.- | 1 |

AC coils (50 Hz)

| For contactor | Type [†] | Unit LP ₹ | | Std. pkg. (nos.) |
|----------------------|-------------------|-----------------------|-----------------------------|------------------|
| | | For 110/230/415V 50Hz | For all other coil voltages | |
| 3TH3, 3TF30-33/42/43 | ■ 3TY7403-0A.. | 635.- | 725.- | 1 |
| 3TF34/35/44/45 | ■ 3TY7443-0A.. | 780.- | 1015.- | 1 |
| 3TF46/47/477 | ■ 3TY7463-0A.. | 1360.- | 1585.- | 1 |
| 3TF48/49 | ■ 3TY7483-0A.. | 2490.- | 2720.- | 1 |
| 3TF50/51, 3TK50 | ■ 3TY7503-0A.. | 2530.- | 3150.- | 1 |
| 3TF52/53, 3TK52 | ■ 3TY7523-0A.. | 3205.- | 3820.- | 1 |
| 3TF54/55, 3TK54 | ■ 3TY7543-0A.. | 3875.- | 4495.- | 1 |
| 3TF56, 3TK56 | ■ 3TY7563-0A.. | 5635.- | 6860.- | 1 |
| 3TF57 | 3TY7573-0C.. | 16910.- | NA | 1 |
| 3TF68 | 3TY7683-0C.. | 42615.- | NA | 1 |
| 3TF69 | 3TY7693-0C.. | 80965.- | NA | 1 |

† Pl. add coil voltage code from table on page no. 35.

110V, 230V, 415V are stock items for 3TH, 3TF30-56

24V is stock item only for 3TH30/3TF30/31/32/33

| For contactor | Type [†] | Unit LP ₹ | | Std. pkg. (nos.) |
|---------------|-------------------|---------------------|-----------------------------|------------------|
| | | For 24/110/220/250V | For all other coil voltages | |
| 3TF54/55 | 3TY7543-0D.. | 26425.- | NA | 1 |
| 3TF56 | 3TY7563-0D.. | 29720.- | NA | 1 |
| 3TF68 | 3TY7683-0D.. | 65985.- | NA | 1 |
| 3TF69 | 3TY7693-0D.. | 107770.- | NA | 1 |

† Pl. add coil voltage code from table on page no. 35.

24V, 110V, 220V are stock items only for 3TH3/3TF30/31/32/33

Spares for hoisting duty contactors

Spare coils

| Spare coils for | Type ¹⁾ | Unit LP ₹ | Std. pkg. (nos.) |
|-----------------|--------------------|-----------|------------------|
| 3TF50 00 0A.. | 3TY7503-0A..0-0H | 3590.- | 1 |
| 3TF52 00 0A.. | 3TY7523-0A..0-0H | 4280.- | 1 |
| 3TF54 00 0A.. | 3TY7543-0A..0-0H | 5210.- | 1 |
| 3TF56 00 0A.. | 3TY7563-0A..0-0H | 6895.- | 1 |

¹⁾ Pls. add coil voltage code from table on page no. 36

Spare contact kits

| | Type | Unit LP ₹ | Std. pkg. (nos.) |
|---------------|-------------|-----------|------------------|
| 3TF50 00 0A.. | 3TY7500-0ZA | 11670.- | 1 |
| 3TF52 00 0A.. | 3TY7520-0ZA | 14930.- | 1 |
| 3TF54 00 0A.. | 3TY7540-0ZA | 20705.- | 1 |
| 3TF56 00 0A.. | 3TY7560-0ZA | 35065.- | 1 |

Connector

The 3TS90 **connector** is used to mount the motor protection circuit breaker 3VS/3VU on the contactor 3TF with screw terminals. It enables mechanical and electrical connection between contactor and motor starter protection circuit breaker.



Range:

| MPCB | | Contactor | | Type of Connector | Unit LP ₹ | Std. pkg. (nos.) |
|-------------|----------------|-----------|--------------------|-------------------|-----------|------------------|
| Type | Current Rating | Type | AC3 Current Rating | | | |
| 3VS13/3VU13 | 0.16 to 20A | 3TF30/31 | 9 / 12 A | 3TS9001-8K | 270.- | 1 |
| 3VS13/3VU13 | 6 to 25A | 3TF32/33 | 16 / 22A | 3TS9002-8K | 315.- | 1 |

Benefits:

- 1) Direct mounting of 3VS/3VU MPCB on 3TF
- 2) Secure poor connections
- 3) Reduced feeder size and assemble time

Spares for 3TC contactors

| Description | Version | Type | Unit LP ₹ | Std. pkg. (nos.) |
|---|----------|---------------|-----------|------------------|
| Set of main contacts | 3TC44 | 3TY2440-0A | 6180.- | 1 |
| | 3TC48 | 3TY2480-0A | 15140.- | 1 |
| | 3TC52 | 3TY2520-0A | 42940.- | 1 |
| | 3TC56 | 3TY2560-0A | 85150.- | 1 |
| AC coils ¹⁾ (50 Hz) | 3TC44 | 3TY7403-0A.. | 635.- | 1 |
| | 3TC48 | 3TY6483-0A.. | 8080.- | 1 |
| | 3TC52 | 3TY6523-0A.. | 10895.- | 1 |
| DC coils ²⁾ | 3TC44 | 3TY6443-0B.. | 11160.- | 1 |
| | 3TC48 | 3TY6483-0B.. | 19035.- | 1 |
| | 3TC52 | 3TY6523-0B.. | 47055.- | 1 |
| | 3TC56 | 3TY6563-0B.. | 65350.- | 1 |
| Arc chambers | 3TC44 | 3TY2442-0A | 6055.- | 1 |
| | 3TC48 | 3TY2482-0A | 10995.- | 1 |
| | 3TC52 | 3TY2522-0A | 17110.- | 1 |
| | 3TC56 | 3TY2562-0A | 34590.- | 1 |
| Auxiliary contacts 1st 1NO + 1NC Left/Right 2nd 1NO + 1NC Left 2nd 1NO + 1NC Right | 3TC44/48 | 3TY6501-1AA00 | 2750.- | 1 |
| | 3TC48 | 3TY6501-1K | | 1 |
| | 3TC48 | 3TY6501-1L | | 1 |

¹⁾ AC coil voltage - Please enter coil codes from table below

| Code | B0 | F0 | U0 | R0 |
|----------------------|----|-----|-----|------------------|
| Coil voltage (50 Hz) | 24 | 110 | 240 | 415 [§] |

§ Only for 3TC 44

²⁾ DC coil voltage - Please enter coil codes from table below

| Code | B4 | F4 | M4 |
|--------------|----|-----|-----|
| Coil voltage | 24 | 110 | 220 |



■ Stock items

Please order in multiples of standard packing.



SIEMENS

Ingenuity for life

3TS Range of contactors

Capacitor duty | Converter duty | 2 Pole

Smart. Easy. Reliable

www.siemens.co.in

3TS Capacitor duty contactors

The 3TS capacitor duty contactor (with **patented** de-latching technology) provides a reliable and economical solution for capacitor switching applications.

Features and Benefits

- De-latching operating principle
- SIGUT Termination technique
- Finger touch proof terminals
- Compact Dimensions
- DIN / Screw mounting
- Reliable switching of capacitor banks
- Ease of wiring (can obviate use of lugs)
- Operator Safety
- Space saving
- Flexible mounting



| Capacitor kVAr 415V, 3ph, 50Hz | Built-in aux. contacts | Type® | Unit LP ₹ | Built-in aux. contacts | Type® | Unit LP ₹ | Std. pkg. (nos.) |
|--------------------------------|------------------------|-------------------|-----------|------------------------|------------------|-----------|------------------|
| 7 kVAr | 1 NO | 3TS1110-0A..5-8K† | 2010.- | | | | |
| 12.5 kVAr | – | 3TS1200-0A..5-8K† | 2235.- | 1NO+1NC | 3TS1211-0A..5-8K | 2555.- | 1 |
| 16 kVAr | – | 3TS1300-0A..5-8K† | 3070.- | 1NO+1NC | 3TS1311-0A..5-8K | 3390.- | 1 |
| 20 kVAr | – | 3TS1400-0A..5-8K† | 3455.- | 1NO+1NC | 3TS1411-0A..5-8K | 3775.- | 1 |
| 25 kVAr | – | 3TS1500-0A..5-8K† | 4000.- | 1NO+1NC | 3TS1511-0A..5-8K | 4320.- | 1 |
| 50 kVAr | 2 NO + 2 NC | 3TS1722-0A..5-8K | 12375.- | | | | |

3RT26 Capacitor duty contactor

| Capacitor kVAr 415V, 3ph, 50Hz | Coil voltage | Built-in aux. contacts | Type | Unit LP | Std. pkg. (nos.) |
|--------------------------------|--------------|------------------------|---------------|---------|------------------|
| 75 kVAr | 24V, 50HZ | 1NO + 1NC | 3RT2637-1AB03 | 19585.- | 1 |
| | 110V, 50HZ | | 3RT2637-1AF03 | | |
| | 230V, 50HZ | | 3RT2637-1AP03 | | |
| 100 kVAr | 24V, 50HZ | 1NO + 1NC | 3RT2646-1AB03 | 23905.- | 1 |
| | 110V, 50HZ | | 3RT2646-1AF03 | | |
| | 230V, 50HZ | | 3RT2646-1AP03 | | |

@ AC 50Hz coil code - Please enter coil codes from table below

| | For 3TS contactors | | |
|------------------|--------------------|-----|-----|
| Code | F0 | P0 | R0 |
| Coil voltage (V) | 110 | 230 | 415 |

† Facility to add one contact block of 1NO / 1NC

Auxiliary contact blocks

| For contactor | Description | Type | Unit MRP ₹ | Std. pkg. (nos.) |
|-----------------|-------------|--------------|------------|------------------|
| 3TS1110-3TS1500 | 1NO | ■ 3TX4010-2A | 160.- | 10 |
| | 1NC | ■ 3TX4001-2A | 160.- | 10 |

3TS Converter duty contactors

Features

- Offers one of the highest AC-1 rating in given size
- Arc chamber interlock
- SIGUT Termination technique
- Compact Dimensions
- Screw mounting
- Double break parallel bridge auxiliary contacts

Applications

- VFD, Soft Starters applications
- UPS
- Solar and Wind inverters
- Resistive loads
- Battery charging
- Neutral switching

NEW



| Contactor Size | Rated current Ie (A) AC1 at 415V | AC Coil | | | DC Coil | | |
|----------------|-------------------------------------|------------------|-----------|------------------|------------------|-----------|------------------|
| | | Type | Unit LP ₹ | Std. pkg. (nos.) | Type® | Unit LP ₹ | Std. pkg. (nos.) |
| 3 | 100 | 3TS4822-0A..1-8K | 7035.- | 1 | 3TS4822-0D..1-8K | 11050.- | 1 |
| 4 | 145 | 3TS5022-0A..1-8K | 12680.- | 1 | 3TS5022-0D..1-8K | 20285.- | 1 |
| 6 | 200 | 3TS5122-0A..1-8K | 17240.- | 1 | 3TS5122-0D..1-8K | 21300.- | 1 |
| 6 | 225 | 3TS5222-0A..1-8K | 19275.- | 1 | 3TS5222-0D..1-8K | 22315.- | 1 |
| 8 | 275 | 3TS5322-0A..1-8K | 27385.- | 1 | 3TS5322-0D..1-8K | 31950.- | 1 |
| 8 | 325 | 3TS5422-0A..1-8K | 30430.- | 1 | 3TS5422-0D..1-8K | 32455.- | 1 |
| 10 | 400 | 3TS5522-0A..1-8K | 34110.- | 1 | 3TS5522-0D..1-8K | 39280.- | 1 |
| 12 | 525 | 3TS5622-0A..1-8K | 45905.- | 1 | 3TS5622-0D..1-8K | 57380.- | 1 |
| 12 | 630 | 3TS5722-0C..1-8K | 62015.- | 1 | | | |

for 3TS48-3TF56

| | AC Coil (50Hz) | | DC Coil |
|------------------|----------------|-----|---------|
| Code | F0 | P0 | B4 |
| Coil voltage (V) | 110 | 230 | 24 |

for 3TS57

| AC 50/60Hz | Coil voltage (V) | 110-132 | 220-240 |
|------------|------------------|---------|---------|
| | Code | F7 | M7 |

3TS 2 Pole contactors



NEW

Benefits:

- Ease of wiring (can obviate use of lugs)
- Operator Safety (contactor cannot be switched-on if arc chamber is not fitted properly)
- Flexible mounting
- Space saving
- Unmatched contact reliability (ensures reliable contact at low voltage & low currents)

Standards:

3TS contactors conform to IS 13947 and IEC 60947. They also carry CE mark.

Application:

- Single Phase Pumps
- HVAC
- ESP
- Lighting

| Rated current (A) Ie AC3 upto 415V | Auxiliary contacts | Type | Unit LP ₹ | Std. pkg. (nos.) |
|------------------------------------|--------------------|------------------|-----------|------------------|
| 9 | 1NO | 3TS3010-0A..2-8K | 680.- | 1 |
| 12 | 1NO | 3TS3110-0A..2-8K | 725.- | 1 |
| 18 | 1NO | 3TS3210-0A..2-8K | 830.- | 1 |
| 25 | - | 3TS3300-0A..2-8K | 1045.- | 1 |
| 32 | - | 3TS3400-0A..2-8K | 2285.- | 1 |
| 40 | - | 3TS3500-0A..2-8K | 3355.- | 1 |
| 50 | - | 3TS3600-0A..2-8K | 4075.- | 1 |
| 65 | 2NO+2NC | 3TS4722-0A..2-8K | 6230.- | 1 |
| 75 | 2NO+2NC | 3TS4822-0A..2-8K | 7035.- | 1 |
| 85 | 2NO+2NC | 3TS4922-0A..2-8K | 8115.- | 1 |
| 105 | 2NO+2NC | 3TS5022-0A..2-8K | 11155.- | 1 |
| 140 | 2NO+2NC | 3TS5122-0A..2-8K | 13690.- | 1 |
| 160 | 2NO+2NC | 3TS5222-0A..2-8K | 17955.- | 1 |
| 205 | 2NO+2NC | 3TS5322-0A..2-8K | 19775.- | 1 |
| 250 | 2NO+2NC | 3TS5422-0A..2-8K | 22315.- | 1 |
| 300 | 2NO+2NC | 3TS5522-0A..2-8K | 27905.- | 1 |
| 400 | 2NO+2NC | 3TS5622-0A..2-8K | 35475.- | 1 |

| Coil voltage (V AC 50Hz) | 110 V AC | 230 V AC | 415V AC |
|--------------------------|----------|----------|---------|
| Code | F0 | P0 | R0 |

Spares for 3TS Contactors

Capacitor Duty

Spare coils

| Contactors kVAr | Description | Type* | Unit LP ₹ | Std. pkg. (nos.) |
|-----------------|--------------|-------------|-----------|------------------|
| 7 kVAr | AC 50Hz coil | 3TY74030A.. | 635.- | 1 |
| 12.5 kVAr | | | | |
| 16 kVAr | | | | |
| 20 kVAr | | 3TY74430A.. | 780.- | 1 |
| 25 kVAr | | | | |
| 50 kVAr | | | | |

* For coil, refer below table

| For 3TS contactors | | | |
|--------------------|-----|-----|-----|
| Code | F0 | P0 | R0 |
| Coil voltage (V) | 110 | 230 | 415 |

Pre-charge resistor + Contact block kit

| Contactors kVAr | Description | Type | Unit LP ₹ | Std. pkg. (nos.) |
|-----------------|--|------------------|-----------|------------------|
| 12.5 kVAr | Pre-charge resistor + early making contact block kit + main contacts kit | 3TS9762-0SX15-8K | 1555.- | 1 |
| 16 kVAr | | 3TS9763-0SX15-8K | 2315.- | 1 |
| 20 kVAr | | 3TS9764-0SX15-8K | 2615.- | 1 |
| 25 kVAr | | 3TS9765-0SX15-8K | 3070.- | 1 |
| 50 kVAr | | 3TS9767-0SX15-8K | 7895.- | 1 |

Note: Pre-charge resistor + early making contact block kit + main contacts should be replaced simultaneously

Convertor Duty

Main contact kits (set of 6 fixed & 3 moving contacts)

| Contactors rating | Description | Type* | Unit LP ₹ | Std. pkg. (nos.) |
|-------------------|-------------------------|---------------|-----------|------------------|
| 3TS48 | Spare main contact kits | 3TS9148-01-8K | 3550.- | 1 |
| 3TS50 | | 3TS9150-01-8K | 6340.- | 1 |
| 3TS51 | | 3TS9151-01-8K | 8620.- | 1 |
| 3TS52 | | 3TS9152-01-8K | 9635.- | 1 |
| 3TS53 | | 3TS9153-01-8K | 13690.- | 1 |
| 3TS54 | | 3TS9154-01-8K | 15215.- | 1 |
| 3TS55 | | 3TS9155-01-8K | 16735.- | 1 |
| 3TS56 | | 3TS9156-01-8K | 22315.- | 1 |
| 3TS57 | | 3TS9157-01-8K | 30430.- | 1 |

Spare coils

| | AC Coil | Unit LP ₹ | DC Coil | Unit LP ₹ | Std. pkg. (nos.) |
|----------|--------------|-----------|--------------|-----------|------------------|
| 3TS48 | 3TY7463-0A.. | 1360.- | 3TY7463-0D.. | 4000.- | 1 |
| 3TS50 | 3TY7483-0A.. | 2490.- | 3TY7483-0D.. | 6845.- | 1 |
| 3TS51/52 | 3TY7503-0A.. | 2530.- | 3TY7503-0D.. | 10705.- | 1 |
| 3TS53/54 | 3TY7523-0A.. | 3205.- | 3TY7523-0D.. | 16630.- | 1 |
| 3TS55 | 3TY7543-0A.. | 3875.- | 3TY7543-0D.. | 26425.- | 1 |
| 3TS56 | 3TY7563-0A.. | 5635.- | 3TY7563-0D.. | 29720.- | 1 |
| 3TS57 | 3TY7573-0C.. | 16910.- | | | 1 |

refer page no. 40 for coil codes

SIEMENS

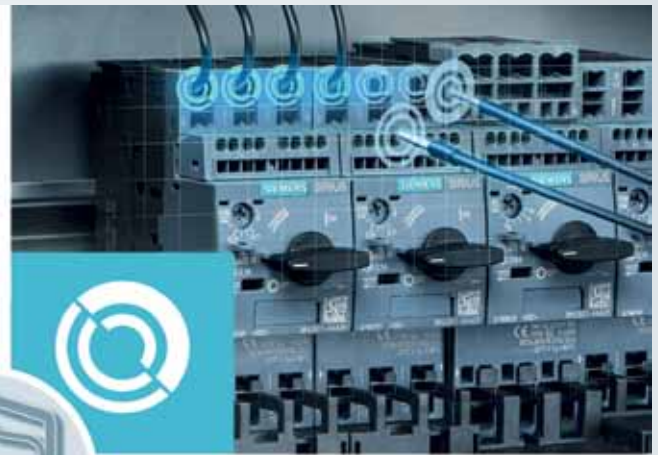
Ingenuity for life

Spring loaded connections are...

Strong



Flexible



Fast

Safe

Easy connecting & wiring

Switch to Spring Loaded Technology

Thermal Overload Relays - 3RU



For contactor mounting - Class 10 - Screw Terminals

| Size of relay / contactor | Set current value of the inverse-time delayed overload release A | Type# | Unit LP ₹ | Std. pkg. (nos.) |
|---------------------------|--|--------------|-----------|------------------|
| S00 | 0.11 ... 0.16 | 3RU2116-0AB0 | 1640.- | 1 |
| | 0.14 ... 0.2 | 3RU2116-0BB0 | | |
| | 0.18 ... 0.25 | 3RU2116-0CB0 | | |
| | 0.22 ... 0.32 | 3RU2116-0DB0 | | |
| | 0.28 ... 0.4 | 3RU2116-0EB0 | | |
| | 0.35 ... 0.5 | 3RU2116-0FB0 | | |
| | 0.45 ... 0.63 | 3RU2116-0GB0 | | |
| | 0.55 ... 0.8 | 3RU2116-0HB0 | | |
| | 0.7 ... 1 | 3RU2116-0JB0 | | |
| | 0.9 ... 1.25 | 3RU2116-0KB0 | | |
| | 1.1 ... 1.6 | 3RU2116-1AB0 | 1660.- | |
| | 1.4 ... 2 | 3RU2116-1BB0 | | |
| | 1.8 ... 2.5 | 3RU2116-1CB0 | | |
| | 2.2 ... 3.2 | 3RU2116-1DB0 | | |
| | 2.8 ... 4 | 3RU2116-1EB0 | | |
| | 3.5 ... 5 | 3RU2116-1FB0 | | |
| | 4.5 ... 6.3 | 3RU2116-1GB0 | | |
| | 5.5 ... 8 | 3RU2116-1HB0 | | |
| | 7 ... 10 | 3RU2116-1JB0 | | |
| | 9 ... 12.5 | 3RU2116-1KB0 | | |
| 11 ... 16 | 3RU2116-4AB0 | 1715.- | | |
| S0 | 1.8 ... 2.5 | 3RU2126-1CB0 | 1830.- | 1 |
| | 2.2 ... 3.2 | 3RU2126-1DB0 | | |
| | 2.8 ... 4 | 3RU2126-1EB0 | | |
| | 3.5 ... 5 | 3RU2126-1FB0 | | |
| | 4.5 ... 6.3 | 3RU2126-1GB0 | | |
| | 5.5 ... 8 | 3RU2126-1HB0 | | |
| | 7 ... 10 | 3RU2126-1JB0 | 1845.- | |
| | 9 ... 12.5 | 3RU2126-1KB0 | | |
| | 11 ... 16 | 3RU2126-4AB0 | | |
| | 14 ... 20 | 3RU2126-4BB0 | | |
| | 17 ... 22 | 3RU2126-4CB0 | | |
| | 20 ... 25 | 3RU2126-4DB0 | | |
| | 23 ... 28 | 3RU2126-4NB0 | | |
| | 27 ... 32 | 3RU2126-4EB0 | 3360.- | |
| 30 ... 36 | 3RU2126-4PB0 | | | |
| 34 ... 40 | 3RU2126-4FB0 | | | |

| Size of relay / contactor | Set current value of the inverse-time delayed overload release A | Type# | Unit LP ₹ | Std. pkg. (nos.) |
|---------------------------|--|--------------|-----------|------------------|
| S2 | 11 ... 16 | 3RU2136-4AB0 | 3350.- | 1 |
| | 14 ... 20 | 3RU2136-4BB0 | | |
| | 18 ... 25 | 3RU2136-4DB0 | | |
| | 22 ... 32 | 3RU2136-4EB0 | | |
| | 28 ... 40 | 3RU2136-4FB0 | | |
| | 36 ... 45 | 3RU2136-4GB0 | 4015.- | |
| | 40 ... 50 | 3RU2136-4HB0 | 4280.- | |
| | 47 ... 57 | 3RU2136-4QB0 | 4815.- | |
| | 54 ... 65 | 3RU2136-4JB0 | 5685.- | |
| | 62 ... 73 | 3RU2136-4KB0 | 5855.- | |
| 70 ... 80 | 3RU2136-4RB0 | 6090.- | | |
| S3 | 28 ... 40 | 3RU2146-4FB0 | 5460.- | 1 |
| | 36 ... 50 | 3RU2146-4HB0 | 5460.- | |
| | 45 ... 63 | 3RU2146-4JB0 | 5805.- | |
| | 57 ... 75 | 3RU2146-4KB0 | 5805.- | |
| | 70 ... 90 | 3RU2146-4LB0 | 6045.- | |
| | 80 ... 100 | 3RU2146-4MB0 | 7920.- | |

* To order overload relays with spring-type terminals replace 10th digit from 'B' to 'C' (for S00, S0 size only)



Accessory for independent mounting

| For size of relay | Relay type | Type | Unit LP ₹ | Std. pkg. (nos.) |
|-------------------|------------------------------|---------------|-----------|------------------|
| S00* | 3RU21, 3RB30/31, 3RR21/22/24 | 3RU2916-3AA01 | 535.- | 1 |
| S0* | 3RU21, 3RB30/31, 3RR21/22/24 | 3RU2926-3AA01 | 550.- | 1 |
| S2 | 3RU21, 3RB30/31, 3RR21/22/24 | 3RU2936-3AA01 | 900.- | 1 |
| S3 | 3RU21/3RB30/3RB31 | 3RU2946-3AA01 | 1060.- | 1 |



* To order terminal supports for overload relays with spring-type terminals replace 10th digit from 'A' to 'C' for S00, S0 only

Thermal Overload Relays - 3RU



Separate Mounting - Class 10

| Size of relay / contactor | Rating for induction motor Rated value kW | Set current value of the inverse-time delayed overload release A | Type* | Unit LP ₹ | Std. pkg. (nos.) |
|---------------------------|---|--|-------------------------------|--------------|---------------------|
| S6 | 45 | 70 - 100 | 3RU2156-5BB10-8K | 7560.- | 1 |
| | 55 | 90 - 125 | 3RU2156-5CB10-8K | | 1 |
| | 75 | 110 - 160 | 3RU2156-5DB10-8K | | 1 |
| | 110 | 140 - 200 | 3RU2156-5EB10-8K | 7145.- | 1 |
| | 45 | 70 - 100 | 3RU2156-5BW10-8K [§] | | 1 |
| | 55 | 90 - 125 | 3RU2156-5CW10-8K [§] | | 1 |
| | 75 | 110 - 160 | 3RU2156-5DW10-8K [§] | | 1 |
| S10 | 110 | 140 - 200 | 3RU2166-5EB10-8K | 10500.- | 1 |
| | 132 | 180 - 250 | 3RU2166-5FB10-8K | | 1 |
| | 160 | 220 - 320 | 3RU2166-5GB10-8K | | 1 |
| S12 | 200 | 280 - 400 | 3RU2176-5HB10-8K | 13615.- | 1 |
| | 250 | 350 - 500 | 3RU2176-5JB10-8K | | 1 |

Separate Mounting - Class 30

| Size of relay / contactor | Rating for induction motor Rated value kW | Set current value of the inverse-time delayed overload release A | Type* | Unit LP ₹ | Std. pkg. (nos.) |
|---------------------------|---|--|-------------------------------|--------------|---------------------|
| S6 | 37 | 55 - 80 | 3RU2356-5AB10-8K | 13615.- | 1 |
| | 45 | 70 - 100 | 3RU2356-5BB10-8K | | 1 |
| | 55 | 90 - 125 | 3RU2356-5CB10-8K | | 1 |
| | 37 | 55 - 80 | 3RU2356-5AW10-8K [§] | | 1 |
| | 45 | 70 - 100 | 3RU2356-5BW10-8K [§] | | 1 |
| S10 | 55 | 90 - 125 | 3RU2356-5CW10-8K [§] | 13615.- | 1 |
| | 75 | 110 - 160 | 3RU2366-5DB10-8K | | 1 |
| | 110 | 140 - 200 | 3RU2366-5EB10-8K | | 1 |
| S12 | 132 | 180 - 250 | 3RU2376-5FB10-8K | 13615.- | 1 |
| | 160 | 220 - 320 | 3RU2376-5GB10-8K | | 1 |

* For heavy duty applications (starting time > 10s), it is recommended to use 3RU class 30 relays to avoid nuisance tripping and reliable protection.

§ Range available with straight through transformer

Microprocessor based overload relay - 3RB

| Size | Current setting range A | 3RB (Class 10) | | 3RB (Class 20) | | 3RB (Class 5 to 30 – Settable) | | Std. pkg. (nos.) |
|-----------|----------------------------|---|--------------|---|-----------|--|-----------|---------------------|
| | | With overload, phase failure and phase unbalance protections | Unit LP ₹ | With overload, phase failure and phase unbalance protections | Unit LP ₹ | With overload, phase failure and phase unbalance and earth fault protection | Unit LP ₹ | |
| S00 | 0.1 ... 0.4 | 3RB3016-1RB0 | 3585.- | 3RB3016-2RB0 | 4485.- | 3RB3113-4RB0 | 7350.- | 1 |
| | 32 ... 1.25 | 3RB3016-1NB0 | | 3RB3016-2NB0 | | 3RB3113-4NB0 | | 1 |
| | 1 ... 4 | 3RB3016-1PB0 | | 3RB3016-2PB0 | | 3RB3113-4PB0 | | 1 |
| | 3 ... 12 | 3RB3016-1SB0 | | 3RB3016-2SB0 | | 3RB3113-4SB0 | | 1 |
| | 4 ... 16 | 3RB3016-1TB0 | | 3RB3016-2TB0 | | 3RB3113-4TB0 | | 1 |
| S0 | 0.1 ... 0.4 | 3RB3026-1RB0 | 4100.- | 3RB3026-2RB0 | 5115.- | 3RB3123-4RB0 | 7690.- | 1 |
| | 32 ... 1.25 | 3RB3026-1NB0 | | 3RB3026-2NB0 | | 3RB3123-4NB0 | | 1 |
| | 1 ... 4 | 3RB3026-1PB0 | | 3RB3026-2PB0 | | 3RB3123-4PB0 | | 1 |
| | 3 ... 12 | 3RB3026-1SB0 | | 3RB3026-2SB0 | | 3RB3123-4SB0 | | 1 |
| | 6 ... 25 | 3RB3026-1QB0 | | 3RB3026-2QB0 | | 3RB3123-4QB0 | | 1 |
| 10 ... 40 | 3RB3026-1VB0 | 4250.- | 3RB3026-2VB0 | 3RB3123-4VB0 | 1 | | | |
| S2 | 12.5 to 50 | 3RB3036-1UB0 [®] | 6270.- | 3RB3036-2UB0 [®] | 7825.- | 3RB3133-4UB0 [®] | 10045.- | 1 |
| | 20 ... 80 | 3RB3036-1WB0 [®] | 9450.- | 3RB3036-2WB0 [®] | 11825.- | 3RB3133-4WB0 [®] | 13090.- | 1 |
| | 12.5 to 50 | 3RB3036-1UW1 [#] | 6270.- | 3RB3036-2UW1 [#] | 7825.- | 3RB3133-4UW1 [#] | 10045.- | 1 |
| | 20 ... 80 | 3RB3036-1WW1 [#] | 9450.- | 3RB3036-2WW1 [#] | 11825.- | 3RB3133-4WW1 [#] | 13090.- | 1 |
| S3 | 12.5 ... 50 | 3RB3046-1UB0 [®] | 7435.- | 3RB3046-2UB0 [®] | 9300.- | 3RB3143-4UB0 [®] | 13100.- | 1 |
| | 32 ... 115 | 3RB3046-1XB0 [®] | 9290.- | 3RB3046-2XB0 [®] | 12175.- | 3RB3143-4XB0 [®] | 13555.- | 1 |
| | 12.5 ... 50 | 3RB3046-1UW1 [#] | 7965.- | 3RB3046-2UW1 [#] | 9830.- | 3RB3143-4UW1 [#] | 13920.- | 1 |
| | 32 ... 115 | 3RB3046-1XW1 [#] | 9750.- | 3RB3046-2XW1 [#] | 12175.- | 3RB3143-4XW1 [#] | 13355.- | 1 |
| S6 | 50 ... 200 | 3RB2056-1FC2 [®] | 12345.- | 3RB2056-2FC2 [®] | 15440.- | 3RB2153-4FC2 [®] | 18475.- | 1 |
| S6 | 50 ... 200 | 3RB2056-1FW2 [§] | 12345.- | 3RB2056-2FW2 [§] | 15440.- | 3RB2153-4FW2 [§] | 18475.- | 1 |
| S10/12 | 55 ... 250 | 3RB2066-1GC2 [®] | 13465.- | 3RB2066-2GC2 [®] | 18750.- | 3RB2163-4GC2 [®] | 18845.- | 1 |
| S10/12 | 160 ... 630 | 3RB2066-1MC2 [®] | 23970.- | 3RB2066-2MC2 [®] | 29965.- | 3RB2163-4MC2 [®] | 31045.- | 1 |

* For size S00 & S0: To order relay with spring type terminals, please replace 10th digit from 'B' to 'E'

Devices with straight-through transformer for stand-alone installation

® Devices with screw terminals for mounting onto contactor.

& Devices with busbar connection for mounting onto contactor or stand-alone installation.

§ Devices with straight-through transformer for mounting onto contactor with Box terminals or stand-alone installation.

Microprocessor based overload relay - 3RB22 / 3RB23

0.3 – 3 A
2.4 – 25 A

10 – 100 A

20 – 200 A

63 – 630 A

+ +

- 0.1 mtr.
- 0.5 mtr.

+ +

- Overload Protection
- Trip Class 5 to 30 settable
- Thermister motor protection
- Phase failure protection
- Phase unbalance protection
- Large setting range (1:10)
- Overload warning
- LED indication

Operator panels

- Analog Output (4-20mA)
- Internal earth fault protection
- Ground fault signaling
- Overload warning

Current Measuring Module

Connecting Cable

Evaluation Module

Functional Module (Optional)

Evaluation modules

(Suitable with all current measuring modules)

| Description | Type | Unit LP ₹ | Std. pkg. (nos.) |
|------------------------------|--------------|-----------|------------------|
| 3RB22 with monostable output | 3RB2283-4AA1 | 14575.- | 1 |
| 3RB23 with bistable output | 3RB2383-4AA1 | 20990.- | 1 |
| 3RB24 with Monostable output | 3RB2483-4AA1 | 19600.- | 1 |

Current measuring modules

| Size | Current range | Type | Unit LP ₹ | Std. pkg. (nos.) |
|--------|---------------|--------------|-----------|------------------|
| S00/S0 | 0.3 to 3A | 3RB2906-2BG1 | 8520.- | 1 |
| | 2.4 to 25A | 3RB2906-2DG1 | 8995.- | 1 |
| S2/S3 | 10 to 100A | 3RB2906-2JG1 | 9940.- | 1 |
| S6 | 20 to 200A | 3RB2956-2TG2 | 19425.- | 1 |
| S10/12 | 63 to 630A | 3RB2966-2WH2 | 22420.- | 1 |

Connecting cable

(For connection between evaluation module and current measuring module)

| Description | Type | Unit LP ₹ | Std. pkg. (nos.) |
|--------------------------|------------|-----------|------------------|
| Length 0.1 m (S00...S3) | 3RB2987-2B | 775.- | 1 |
| Length 0.5 m (S00...S12) | 3RB2987-2D | 1135.- | 1 |

Function modules for 3RB22 3RB23 (optional)

| Description | Type | Unit LP ₹ | Std. pkg. (nos.) |
|--|--------------|-----------|------------------|
| Overload warning + Analog output | 3RB2985-2AA0 | 5365.- | 1 |
| Internal earth fault protection + Overload warning + Analog output | 3RB2985-2AA1 | 8600.- | 1 |
| Internal earth fault (protection + signalling) + Analog output | 3RB2985-2AB1 | | |
| Internal earth fault protection + Overload warning | 3RB2985-2CA1 | 1645.- | 1 |
| Internal earth fault (protection + signalling) | 3RB2985-2CB1 | | |

Operator Panel module for 3RB24 (optional)

| Description | Type | Unit LP ₹ | Std. pkg. (nos.) |
|---|-----------------|-----------|------------------|
| Operator panels (set) One set comprises: • 1 x operator panel • 1 x 3RA6936-0A enabling module • 1 x 3RA6936-0B interface cover • 1 x fixing terminal | 3RA6935-0A | 47435.- | 1 |
| Connecting cables Length 2.5 m (round), for connecting the evaluation module to the operator panel | 3UF7933-0BA00-0 | 3345.- | 1 |

Accessories for 3RB20 and 3RB21

| Description | For size | Type | Unit LP ₹ | Std. pkg. (nos.) |
|---|----------|--------------------------|-----------|------------------|
| Resetting plunger with funnel | S0 - S12 | 3RU1900-1A | 605.- | 1 |
| Reset cord with holder - 400mm 600mm | S00 - S3 | 3RU1900-1B 3RU1900-1C | 1735.- | 1 |

Accessories for 3RU2 Thermal overload relays and 3RB3 solid state overload relays

| Accessory Type | Version | Size | 3RU2 Thermal overload relay | 3RB30/31 solid state overload relay | Type | Unit LP ₹ | Std. pkg. (nos.) |
|---|---|-----------------|-----------------------------|-------------------------------------|--------------------|-----------|------------------|
| Mechanical Reset | Resetting plungers, holders & formers | S00, S0, S6-S12 | ✓ | X | 3RU2900-1A | 600.- | 1 |
| | Resetting plungers, holders & formers | | X | ✓ | 3RB3980-0A | 295.- | 1 |
| | Pushbuttons with extended stroke (12 mm), IP65, Dia 22 mm | | ✓ | ✓ | 3SU1200-0FB10-0AA0 | 1630.- | 1 |
| | Extension plungers | | ✓ | ✓ | 3SU1900-0KG10-0AA0 | 140.- | 1 |
| Cable releases with holder for RESET | Length 400mm | S00, S0, S6-S12 | ✓ | X | 3RU2900-1B | 1700.- | 1 |
| | Length 600mm | | ✓ | X | 3RU2900-1C | | 1 |
| | Length 400mm | | X | ✓ | 3RB3980-0B | 2855.- | 1 |
| | Length 600mm | | X | ✓ | 3RB3980-0C | | |
| Module for remote reset, electrical | 24 ... 30 V AC/DC | S00, S0, S6-S12 | ✓ | X | 3RU1900-2AB71 | 2160.- | 1 |
| | 110 ... 127 V AC/DC | | ✓ | X | 3RU1900-2AF71 | | |
| | 220 ... 250 V AC/DC | | ✓ | X | 3RU1900-2AM71 | | |
| Sealable covers for covering the setting knob | For 3RB30/3RB31 | S00, S0, S6-S12 | X | ✓ | 3RB3984-0 | 1355.- | 1 |
| | For 3RU2 / 3RV2 | | ✓ | X | 3RV2908-0P | 75.- | 10 |
| Terminal Covers for busbar connections | Length 55 mm | S3 | | | 3RT1946-4EA1 | 650.- | 1 |
| | Length 100 mm | S6 | ✓ | ✓ | 3RT1956-4EA1 | 1250.- | 1 |
| | Length 120 mm | S10, S12 | ✓ | ✓ | 3RT1966-4EA1 | 1650.- | 1 |
| Terminal Cover for Box Terminals | Length 20.6 mm | S2 | ✓ | ✓ | 3RT1936-4EA2 | 470.- | 1 |
| | Length 20.8 mm | S3 | ✓ | ✓ | 3RT1946-4EA2 | 470.- | 1 |
| | Length 25 mm | S6 | ✓ | ✓ | 3RT1956-4EA2 | 735.- | 1 |
| | Length 30 mm | S10/12 | ✓ | ✓ | 3RT1966-4EA2 | 1290.- | 1 |



Widest range electronic overload relays

Thermal overload relays - 3UA / 3UC

| Bimetal relay | Current type of mounting | Current setting range A | Type | Unit LP ₹ | Std. pkg. (nos.) | |
|---------------------------------------|--------------------------------|-------------------------|--------------|-----------|------------------|---|
| 3UA50 | Contactor® mounting (3TF30/31) | 0.1 – 0.16 | 3UA5000-0A | 1615.- | 1 | |
| | | 0.16 – 0.25 | 3UA5000-0C | | | |
| | | 0.25 – 0.4 | ■ 3UA5000-0E | | | |
| | | 0.4 – 0.63 | ■ 3UA5000-0G | | | |
| | | 0.63 – 1 | ■ 3UA5000-0J | | | |
| | | 0.8 – 1.25 | ■ 3UA5000-0K | | | |
| | 1 – 1.6 | ■ 3UA5000-1A | | | | |
| | 1.25 – 2 | ■ 3UA5000-1B | | | | |
| | Contactor® mounting (3TF32/33) | 1.6 – 2.5 | ■ 3UA5000-1C | 1630.- | 1 | |
| | | 2 – 3.2 | ■ 3UA5000-1D | | | |
| | | 2.5 – 4 | ■ 3UA5000-1E | | | |
| | | 3.2 – 5 | ■ 3UA5000-1F | | | |
| 4 – 6.3 | | ■ 3UA5000-1G | | | | |
| 5 – 8 | | ■ 3UA5000-1H | | | | |
| Contactor® mounting (3TF34/35, 44/45) | 6.3 – 10 | ■ 3UA5000-1J | 1640.- | 1 | | |
| | 8 – 12.5 | ■ 3UA5000-1K | | | | |
| | 10 – 14.5 | ■ 3UA5000-2S | | | | |
| | 1 – 1.6 | 3UA5200-1A | | | 1805.- | 1 |
| | 1.25 – 2 | 3UA5200-1B | | | | |
| | 1.6 – 2.5 | 3UA5200-1C | | | | |
| 2 – 3.2 | 3UA5200-1D | | | | | |
| 2.5 – 4 | 3UA5200-1E | | | | | |
| 3.2 – 5 | 3UA5200-1F | | | | | |
| Contactor® mounting (3TF32/33) | 4 – 6.3 | ■ 3UA5200-1G | 1655.- | 1 | | |
| | 5 – 8 | ■ 3UA5200-1H | | | | |
| | 6.3 – 10 | ■ 3UA5200-1J | | | | |
| | 8 – 12.5 | ■ 3UA5200-1K | | | | |
| | 10 – 16 | ■ 3UA5200-2A | | | 1840.- | 1 |
| | 12.5 – 20 | ■ 3UA5200-2B | | | | |
| 16 – 25 | ■ 3UA5200-2C | | | | | |
| Contactor® mounting (3TF34/35, 44/45) | 10 – 16 | ■ 3UA5500-2A | 2870.- | 1 | | |
| | 12.5 – 20 | ■ 3UA5500-2B | | | | |
| | 16 – 25 | ■ 3UA5500-2C | | | | |
| | 20 – 32 | ■ 3UA5500-2D | | | | |
| | 25 – 36 | ■ 3UA5500-2Q | 2985.- | 1 | | |
| | 32 – 40 | ■ 3UA5500-2R | | | | |
| 36 – 45 | ■ 3UA5500-8M | | | | | |

| Bimetal relay | Current type of mounting | Current setting range A | Type | Unit LP ₹ | Std. pkg. (nos.) |
|-------------------------------|--|-------------------------|----------------|-----------|------------------|
| 3UA58-Z1 | Contactor® mounting (3TF46, 3TF47, 3TF48, 3TF49) | 16 – 25 | 3UA5800-2CZ1 | 5175.- | 1 |
| | | 20 – 32 | 3UA5800-2DZ1 | | |
| | | 25 – 40 | 3UA5800-2EZ1 | | |
| | | 32 – 50 | ■ 3UA5800-2FZ1 | 4415.- | 1 |
| | | 40 – 57 | ■ 3UA5800-2TZ1 | | |
| | | 50 – 63 | ■ 3UA5800-2PZ1 | | |
| Contactor® mounting (3TF47 7) | 57 – 70 | ■ 3UA5800-2VZ1 | 5175.- | 1 | |
| | 63 – 80 | ■ 3UA5800-2UZ1 | | | |
| | 70 – 95 | ■ 3UA5800-8YZ1 | | | |
| | Contactor® mounting (3TF47 7) | 16 – 25 | 3UA5800-2CZ2 | 5175.- | 1 |
| | | 20 – 32 | 3UA5800-2DZ2 | | |
| | | 25 – 40 | 3UA5800-2EZ2 | | |
| 32 – 50 | | ■ 3UA5800-2FZ2 | 4440.- | 1 | |
| 40 – 57 | | ■ 3UA5800-2TZ2 | | | |
| 50 – 63 | | ■ 3UA5800-2PZ2 | | | |
| Contactor® mounting (3TF50) | 57 – 70 | ■ 3UA5800-2VZ2 | 5200.- | 1 | |
| | 63 – 80 | ■ 3UA5800-2UZ2 | | | |
| | 70 – 95 | ■ 3UA5830-5B | | | 5700.- |
| 85 – 105 | ■ 3UA5830-5C | | | | |
| 95 – 120 | ■ 3UA5830-5D | | | | |
| 3UA62 | Independent mounting | 85 – 135 | ■ 3UA6230-5A | 8285.- | 1 |
| | | 115 – 180 | ■ 3UA6230-5B | | |
| | | 160 – 250 | ■ 3UA6230-5C | 11780.- | 1 |
| | | 200 – 320 | ■ 3UA6230-5D | | |
| 3UA68 | Independent mounting | 250 – 400 | ■ 3UA6230-5E | | |
| | | 320 – 500 | 3UA6830-5F | 15230.- | 1 |
| 400 – 630 | 3UA6830-5G | | | | |

@ Can be converted to independent mounting using accessory.

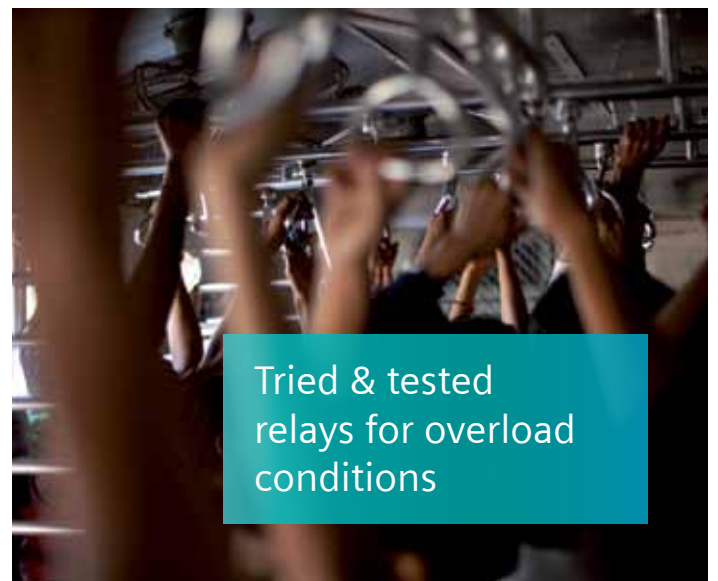
Relays for heavy starting applications, independent mounting

| Current setting range A | Type | Unit LP ₹ | Current setting range A | Type | Unit LP ₹ | Std. pkg. (nos.) |
|-------------------------|------------|-----------|-------------------------|------------|------------|------------------|
| 2.5 – 4 | 3UC5030-5E | 14400.- | 40 – 63 | 3UC5830-5G | 14400.- | 1 |
| 4 – 6.3 | 3UC5030-5G | | 14675.- | 63 – 100 | 3UC6230-5J | 1 |
| 6.3 – 10 | 3UC5030-5J | | | 100 – 160 | 3UC6230-5A | |
| 8 – 12.5 | 3UC5030-5K | | | 125 – 200 | 3UC6630-5B | |
| 10 – 16 | 3UC5830-5A | | | 160 – 250 | 3UC6630-5C | |
| 16 – 25 | 3UC5830-5C | | | 250 – 400 | 3UC6630-5E | |
| 25 – 40 | 3UC5830-5E | | | | | |

Note: Relays always supplied in manual execution, can be converted at site to auto execution.

Accessories for 3UA birelays

| Description | For relay type | Type | Unit LP ₹ | Std. pkg. (nos.) |
|--|--------------------------------|--|-------------------------------|------------------|
| Accessory for independent mounting | 3UA50 | ■ 3UX1418 | 1325.- | 1 |
| | 3UA52 | ■ 3UX1420 | 390.- | 1 |
| | 3UA55 | ■ 3UX1425 | 475.- | 1 |
| | 3UA58 | ■ 3UX1421 | 500.- | 1 |
| | 3UA58 30 | ■ 3UX1421-OXA | 545.- | 1 |
| Resetting plunger funnel | 3UA5/6, 3UC5/6 | 3UX1011 3UX1013 | 170.- | 10 10 |
| Reset cord + holder: 400 mm length 600 mm length | 3UA5/6, 3UC5/6 | 3UX1015 | 240.- | 5 |
| | | 3UX1016 | | 5 |
| Protection cover | 3UA58/3UA58 30 Other 3UA5/6 | 3UX11101YA 3UX11111YA | 175.- | 10 10 |
| | | Set of 3 terminals to convert from 3UA5800-2. or 3UA5800-2.Z2 to 3UA5800-2.Z1 3UA5800-2.Z1 or 3UA5800-2.Z2 to 3UA5800-2. 3UA5800-2. or 3UA5800-2.Z1 to 3UA5800-2.Z2 | 3UX5811 3UX5812 3UX5813 | 140.- |



■ Stock items



Motor Protection Circuit Breakers - 3RV



Class 10, without auxiliary switch, standard switching capacity, screw terminals

| MPCB Specifications | | | MPCB with Standard release ¹⁾ | | MPCB with "relay function" ²⁾ | | MPCB with "Mag only" Release ³⁾ | | MPCB for transformer protection | |
|---------------------|----------------------|-----------------------|--|---------------|--|---------------|--|---------------|---------------------------------|-----------|
| MPCB Size | MPCB rated current A | MPCB overload range A | Type* | Unit LP ₹ | Type* | Unit LP ₹ | Type* | Unit LP ₹ | Type* | Unit LP ₹ |
| S00 | 0.16 | 0.11...0.16 | 3RV2011-0AA10 | 3565.- | 3RV2111-0AA10 | 4510.- | 3RV2311-0AC10 | 3500.- | 3RV2411-0AA10 | 5950.- |
| | 0.2 | 0.14...0.2 | 3RV2011-0BA10 | | 3RV2111-0BA10 | | 3RV2311-0BC10 | | 3RV2411-0BA10 | |
| | 0.25 | 0.18...0.25 | 3RV2011-0CA10 | | 3RV2111-0CA10 | | 3RV2311-0CC10 | | 3RV2411-0CA10 | |
| | 0.32 | 0.22...0.32 | 3RV2011-0DA10 | | 3RV2111-0DA10 | | 3RV2311-0DC10 | | 3RV2411-0DA10 | |
| | 0.4 | 0.28...0.4 | 3RV2011-0EA10 | 3RV2111-0EA10 | 3RV2311-0EC10 | 3RV2411-0EA10 | | | | |
| | 0.5 | 0.35...0.5 | 3RV2011-0FA10 | 3RV2111-0FA10 | 3RV2311-0FC10 | 3RV2411-0FA10 | | | | |
| | 0.63 | 0.45...0.63 | 3RV2011-0GA10 | 3RV2111-0GA10 | 3RV2311-0GC10 | 3RV2411-0GA10 | | | | |
| | 0.8 | 0.55...0.8 | 3RV2011-0HA10 | 3RV2111-0HA10 | 3RV2311-0HC10 | 3RV2411-0HA10 | | | | |
| | 1 | 0.7...1 | 3RV2011-0JA10 | 3RV2111-0JA10 | 3RV2311-0JC10 | 3RV2411-0JA10 | | | | |
| | 1.25 | 0.9...1.25 | 3RV2011-0KA10 | 3RV2111-0KA10 | 3RV2311-0KC10 | 3RV2411-0KA10 | | | | |
| | 1.6 | 1.1...1.6 | 3RV2011-1AA10 | 3RV2111-1AA10 | 3RV2311-1AC10 | 3RV2411-1AA10 | | | | |
| | 2 | 1.4...2 | 3RV2011-1BA10 | 3RV2111-1BA10 | 3RV2311-1BC10 | 3RV2411-1BA10 | | | | |
| | 2.5 | 1.8...2.5 | 3RV2011-1CA10 | 3RV2111-1CA10 | 3RV2311-1CC10 | 3RV2411-1CA10 | | | | |
| | 3.2 | 2.2...3.2 | 3RV2011-1DA10 | 3RV2111-1DA10 | 3RV2311-1DC10 | 3RV2411-1DA10 | | | | |
| | 4 | 2.8...4 | 3RV2011-1EA10 | 3RV2111-1EA10 | 3RV2311-1EC10 | 3RV2411-1EA10 | | | | |
| | 5 | 3.5...5 | 3RV2011-1FA10 | 3RV2111-1FA10 | 3RV2311-1FC10 | 3RV2411-1FA10 | | | | |
| 6.3 | 4.5...6.3 | 3RV2011-1GA10 | 3RV2111-1GA10 | 3RV2311-1GC10 | 3RV2411-1GA10 | | | | | |
| 8 | 5.5...8 | 3RV2011-1HA10 | 3RV2111-1HA10 | 3RV2311-1HC10 | 3RV2411-1HA10 | | | | | |
| 10 | 7...10 | 3RV2011-1JA10 | 3RV2111-1JA10 | 3RV2311-1JC10 | 3RV2411-1JA10 | | | | | |
| 12.5 | 9...12.5 | 3RV2011-1KA10 | 4895.- | 3RV2111-1KA10 | 6180.- | 3RV2311-1KC10 | 4800.- | 3RV2411-1KA10 | 6965.- | |
| 16 | 10...16 | 3RV2011-4AA10 | 5705.- | 3RV2111-4AA10 | 6950.- | 3RV2311-4AC10 | 5405.- | 3RV2411-4AA10 | | |
| S0 | 16 | 10 ... 16 | 3RV2021-4AA10 | 5930.- | 3RV2121-4AA10 | 7230.- | 3RV2321-4AC10 | 5510.- | 3RV2421-4AA10 | 7230.- |
| | 20 | 13 ... 20 | 3RV2021-4BA10 | 6505.- | 3RV2121-4BA10 | 8075.- | 3RV2321-4BC10 | 6340.- | 3RV2421-4BA10 | 7605.- |
| | 22 | 16 ... 22 | 3RV2021-4CA10 | | 3RV2121-4CA10 | | 3RV2321-4CC10 | | 3RV2421-4CA10 | 12635.- |
| | 25 | 18 ... 25 | 3RV2021-4DA10 | | 3RV2121-4DA10 | | 3RV2321-4DC10 | | 3RV2421-4DA10 | 14120.- |
| | 28 | 23 ... 28 | 3RV2021-4NA10 | 10965.- | 3RV2121-4NA10 | 18145.- | 3RV2321-4NC10 | 10560.- | - | |
| | 32 | 27 ... 32 | 3RV2021-4EA10 | 3RV2121-4EA10 | 3RV2321-4EC10 | - | - | - | - | - |
| | 36 | 30 ... 36 | 3RV2021-4PA10 | 12535.- | - | - | 3RV2321-4PC10 | 12185.- | - | - |
| 40 | 34 ... 40 | 3RV2021-4FA10 | - | - | - | 3RV2321-4FC10 | - | - | - | |
| S2 | 25 | 18 ... 25 | 3RV2031-4DA10 | 11795.- | 3RV2131-4DA10 | 18685.- | 3RV2331-4DC10 | 10870.- | 3RV2431-4DA10 | 14545.- |
| | 32 | 22 ... 32 | 3RV2031-4EA10 | | 3RV2131-4EA10 | | 3RV2331-4EC10 | | 3RV2431-4EA10 | 17510.- |
| | 36 | 28 ... 36 | 3RV2031-4PA10 | 12980.- | 3RV2131-4PA10 | 20575.- | 3RV2331-4PC10 | 12095.- | 3RV2431-4PA10 | 19330.- |
| | 40 | 32 ... 40 | 3RV2031-4UA10 | | 3RV2131-4UA10 | | 3RV2331-4UC10 | | 3RV2431-4UA10 | |
| | 45 | 35 ... 45 | 3RV2031-4VA10 | 15850.- | 3RV2131-4VA10 | 21615.- | 3RV2331-4VC10 | 14985.- | 3RV2431-4VA10 | 19690.- |
| | 52 | 42 ... 52 | 3RV2031-4WA10 | | 3RV2131-4WA10 | | 3RV2331-4WC10 | | 3RV2431-4WA10 | |
| | 59 | 49 ... 59 | 3RV2031-4XA10 | 16360.- | 3RV2131-4XA10 | 23060.- | 3RV2331-4XC10 | 15110.- | 3RV2431-4XA10 | 20415.- |
| | 65 | 54 ... 65 | 3RV2031-4JA10 | | 3RV2131-4JA10 | | 3RV2331-4JC10 | | 3RV2431-4JA10 | |
| 73 | 62 ... 73 | 3RV2031-4KA10 | 17170.- | 3RV2131-4KA10 | 24220.- | 3RV2331-4KC10 | 15870.- | - | | |
| 80 | 70 ... 80 | 3RV2031-4RA10 | | 3RV2131-4RA10 | | 3RV2331-4RC10 | | - | | |
| S3 | 50 | 36 ... 50 | 3RV1041-4HA10 | 17635.- | 3RV1142-4HA10 | 24025.- | 3RV1341-4HC10 | 16290.- | | |
| | 63 | 45 ... 63 | 3RV1041-4JA10 | 17635.- | 3RV1142-4JA10 | 24025.- | 3RV1341-4JC10 | 16290.- | | |
| | 75 | 57 ... 75 | 3RV1041-4KA10 | 18515.- | 3RV1142-4KA10 | 25230.- | 3RV1341-4KC10 | 17115.- | | |
| | 90 | 70 ... 90 | 3RV1041-4LA10 | | 3RV1142-4LA10 | 25230.- | 3RV1341-4LC10 | 17115.- | | |
| | 100 | 80 ... 100 | 3RV1041-4MA10 | | 3RV1142-4MA10 | 25230.- | 3RV1341-4MC10 | 17115.- | | |
| S3 | 50 | 36 ... 50 | 3RV2041-4HA10 | 17025.- | 3RV2142-4HA10 | 23195.- | 3RV2341-4HC10 | 15725.- | - | - |
| | 63 | 45 ... 63 | 3RV2041-4JA10 | | 3RV2142-4JA10 | 23195.- | 3RV2341-4JC10 | 15725.- | - | - |
| | 75 | 57 ... 75 | 3RV2041-4KA10 | 17870.- | 3RV2142-4KA10 | 24355.- | 3RV2341-4KC10 | 16520.- | - | - |
| | 84 | 65 ... 84 | 3RV2041-4RA10 | 17870.- | 3RV2142-4RA10 | 24355.- | 3RV2341-4RC10 | 16520.- | - | - |
| | 93 | 75 ... 93 | 3RV2041-4YA10 | 17870.- | 3RV2142-4YA10 | 24355.- | 3RV2341-4YC10 | 16520.- | - | - |
| | 100 | 80 ... 100 | 3RV2041-4MA10 | 17870.- | 3RV2142-4MA10 | 24355.- | 3RV2341-4MC10 | 16520.- | - | - |

1) MPCB trips on SC and also on OL

2) MPCB trips on SC and opens contactor on OL

3) MPCB trips on SC

* Spring type terminals are not available for relay function MPCB 3RV21

* 3RV20 and 3RV23: For ordering spring type terminal please replace 11th digit from "1" to "2" (available upto 32A in S00 and S0 only)

Standard packing for all above products is 1 no.

Class 10, without auxiliary switch, increased switching capacity (100KA), screw terminals

| MPCB Specifications | | | MPCB with Standard release ¹⁾ | | MPCB with "relay function" ²⁾ | | MPCB with "Mag only" Release ³⁾ | |
|---------------------|----------------------|-----------------------|--|-----------|--|-----------|--|-----------|
| MPCB Size | MPCB rated current A | MPCB overload range A | Type | Unit LP ₹ | Type | Unit LP ₹ | Type | Unit LP ₹ |
| S2 | 25 | 18 ... 25 | 3RV2032-4DA10 | 15155.- | - | - | 3RV2332-4DC10 | 13050.- |
| | 32 | 22 ... 32 | 3RV2032-4EA10 | 16410.- | - | - | 3RV2332-4EC10 | 13050.- |
| | 36 | 28 ... 36 | 3RV2032-4PA10 | 17665.- | - | - | 3RV2332-4PC10 | 14510.- |
| | 40 | 32 ... 40 | 3RV2032-4UA10 | 19110.- | - | - | 3RV2332-4UC10 | 17970.- |
| | 45 | 35 ... 45 | 3RV2032-4VA10 | 21040.- | - | - | 3RV2332-4VC10 | 17970.- |
| | 52 | 42 ... 52 | 3RV2032-4WA10 | 21435.- | - | - | 3RV2332-4WC10 | 18130.- |
| | 59 | 49 ... 59 | 3RV2032-4XA10 | 21625.- | - | - | 3RV2332-4XC10 | 18130.- |
| | 65 | 54 ... 65 | 3RV2032-4JA10 | 21625.- | - | - | 3RV2332-4JC10 | 18130.- |
| S3 | 73 | 62 ... 73 | 3RV2032-4KA10 | 24325.- | - | - | 3RV2332-4KC10 | 19045.- |
| | 80 | 70 ... 80 | 3RV2032-4RA10 | 25875.- | - | - | 3RV2332-4RC10 | 19045.- |
| | 40 | 28 ... 40 | 3RV2042-4FA10 | 17335.- | 3RV2142-4FA10 | 21955.- | 3RV2342-4FC10 | 20260.- |
| | 50 | 36 ... 50 | 3RV2042-4HA10 | 17335.- | 3RV2142-4HA10 | 23195.- | 3RV2342-4HC10 | 21505.- |
| | 63 | 45 ... 63 | 3RV2042-4JA10 | 17335.- | 3RV2142-4JA10 | 23195.- | 3RV2342-4JC10 | 21505.- |
| | 75 | 57 ... 75 | 3RV2042-4KA10 | 23055.- | 3RV2142-4KA10 | 24355.- | 3RV2342-4KC10 | 22580.- |
| | 84 | 65 ... 84 | 3RV2042-4RA10 | 23055.- | 3RV2142-4RA10 | 24355.- | 3RV2342-4RC10 | 22580.- |
| | 93 | 75 ... 93 | 3RV2042-4YA10 | 23055.- | 3RV2142-4YA10 | 24355.- | 3RV2342-4YC10 | 22580.- |
| | 100 | 80 ... 100 | 3RV2042-4MA10 | 23055.- | 3RV2142-4MA10 | 24355.- | 3RV2342-4MC10 | 22580.- |

Class 20, without auxiliary switch, screw terminals

| MPCB Specifications | | | | | MPCB with Standard release ¹⁾ | | Std. pkg. (nos.) |
|---------------------|----------------------|-----------------------|------------------------------|----------------------|--|-----------|------------------|
| MPCB Size | MPCB rated current A | MPCB overload range A | MPCB Short circuit setting A | Breaking capacity kA | Type ¹⁾ | Unit LP ₹ | |
| S2 | 14 | 9.5 ... 14 | 208 | 65 | 3RV2031-4SB10 | 14480.- | 1 |
| | 17 | 12 ... 17 | 260 | 65 | 3RV2031-4TB10 | 14480.- | 1 |
| | 20 | 14 ... 20 | 260 | 65 | 3RV2031-4BB10 | 14480.- | 1 |
| | 25 | 18 ... 25 | 325 | 65 | 3RV2031-4DB10 | 16005.- | 1 |
| | 32 | 22 ... 32 | 416 | 65 | 3RV2031-4EB10 | 17135.- | 1 |
| | 36 | 28 ... 36 | 520 | 65 | 3RV2031-4PB10 | 18020.- | 1 |
| | 40 | 32 ... 40 | 585 | 65 | 3RV2031-4UB10 | 18985.- | 1 |
| | 45 | 35 ... 45 | 650 | 65 | 3RV2031-4VB10 | 20755.- | 1 |
| | 52 | 42 ... 52 | 741 | 65 | 3RV2031-4WB10 | 21080.- | 1 |
| | 59 | 49 ... 59 | 845 | 65 | 3RV2031-4XB10 | 21315.- | 1 |
| S3 | 65 | 54 ... 65 | 845 | 65 | 3RV2031-4JB10 | 21315.- | 1 |
| | 40 | 28 ... 40 | 520 | 100 | 3RV2042-4FB10 | 23055.- | 1 |
| | 50 | 36 ... 50 | 650 | 100 | 3RV2042-4HB10 | 23055.- | 1 |
| | 63 | 45 ... 63 | 819 | 100 | 3RV2042-4JB10 | 23055.- | 1 |
| | 75 | 57 ... 75 | 975 | 100 | 3RV2042-4KB10 | 23055.- | 1 |
| | 84 | 65 ... 84 | 1170 | 100 | 3RV2042-4RB10 | 23055.- | 1 |
| | 93 | 75 ... 93 | 1300 | 100 | 3RV2042-4YB10 | 23055.- | 1 |
| | 100 | 80 ... 100 | 1300 | 100 | 3RV2042-4MB10 | 23055.- | 1 |

1) MPCB trips on SC and also on OL 2) MPCB trips on SC and opens contactor on OL 3) MPCB trips on SC
 Standard packing for all above products is 1 no.

Circuit breaker size S00 for motor protection, Toggle Switch

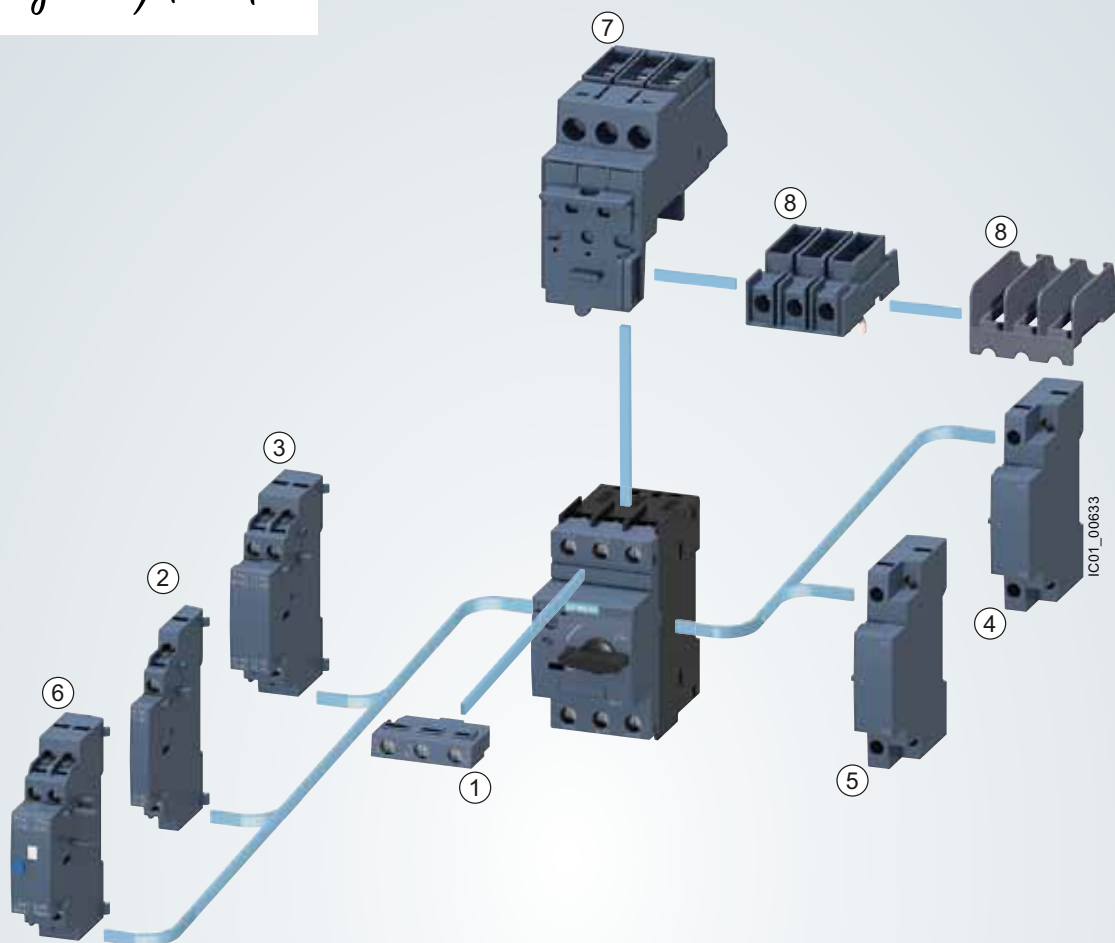
| Rating | Type * | Unit LP ₹ | Rating | Type * | Unit LP ₹ |
|---------------|---------------|-----------|-----------|---------------|-----------|
| 0.11...0.16 | 3RV1011-0AA10 | 3360.- | 1.1...1.6 | 3RV1011-1AA10 | 3945.- |
| 0.14 ... 0.2 | 3RV1011-0BA10 | 3360.- | 1.4 ... 2 | 3RV1011-1BA10 | 4165.- |
| 0.18...0.25 | 3RV1011-0CA10 | 3360.- | 1.8...2.5 | 3RV1011-1CA10 | 4165.- |
| 0.22 ... 0.32 | 3RV1011-0DA10 | 3550.- | 2.2 ... 3 | 3RV1011-1DA10 | 4125.- |
| 0.28...0.4 | 3RV1011-0EA10 | 3550.- | 2.8...4 | 3RV1011-1EA10 | 4355.- |
| 0.35 ... 0.5 | 3RV1011-0FA10 | 4125.- | 3.5 ... 5 | 3RV1011-1FA10 | 4355.- |
| 0.45...0.63 | 3RV1011-0GA10 | 4125.- | 4.5 ... 6 | 3RV1011-1GA10 | 4355.- |
| 0.55 ... 0.8 | 3RV1011-0HA10 | 4125.- | 5.5 ... 8 | 3RV1011-1HA10 | 4355.- |
| 0.7...1 | 3RV1011-0JA10 | 4125.- | 7 ... 10 | 3RV1011-1JA10 | 4355.- |
| 0.9 ... 1.25 | 3RV1011-0KA10 | 4150.- | 9 ... 12 | 3RV1011-1KA10 | 4785.- |



Standard packing for all above products is 1 no.
 * Use with accessories for 3RV2.

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Accessories complimenting the application

Mountable accessories

- ① Transverse auxiliary switch
- ② Lateral auxiliary switch with 2 contacts
- ③ Lateral auxiliary switch with 4 contacts
- ④ Shunt release (can not be used with 3RV21 motor starter protectors)
- ⑤ Undervoltage release without/with leading contacts (can not be used with 3RV21 motor starter protectors)
- ⑥ Signaling switch (can not be used with 3RV27 and 3RV28 circuit breakers)
- ⑦ Isolator module (can not be used with 3RV2.4, 3RV27 and 3RV28 circuit breakers)
- ⑧ Terminal block type E or phase barriers

Accessories for 3RV2

Mountable accessories

| Type of accessory | Version | MPCB size | Type* | Unit LP ₹ | Std. pkg. (nos.) |
|--|---|---------------------|-------------|-----------|------------------|
| Transverse auxiliary switches With screw terminals, mountable on front | 1 CO | S00 ... S3 | 3RV2901-1D# | 595.- | 1 |
| | 1 NO + 1 NC | S00 ... S3 | 3RV2901-1E | 720.- | 1 |
| | 2NO | S00 ... S3 | 3RV2901-1F | 720.- | 1 |
| Transverse auxiliary switch for operation in dusty atmospheres and in solid-state circuits with low operating currents | 1 CO | S00 ... S3 | 3RV2901-1G# | 2360.- | 1 |
| Covers for transverse auxiliary switches | | S00 ... S3 | 3RV2901-0H# | 350.- | 10 |
| Lateral auxiliary switches with screw terminals mountable on the left | 1 NO + 1 NC | S00 ... S3 | 3RV2901-1A | 795.- | 1 |
| | 2 NO | | 3RV2901-1B | 795.- | 1 |
| | 2 NC | | 3RV2901-1C | 795.- | 1 |
| | 2 NO + 2 NC | | 3RV2901-1J# | 1350.- | 1 |
| Signaling switches (Alarm contacts) Mountable on the left side | Separate tripped and short-circuit alarms, 1 NO + 1 NC each | S00 ... S3 | 3RV2921-1M | 1440.- | 1 |
| Isolator modules (for isolating individual MPCB) | Lockable in disconnected position | S00, S0 | 3RV2928-1A# | 3100.- | 1 |
| | | S2 (Up to 65A only) | 3RV2938-1A# | 3730.- | 1 |

Spring type terminals are not available for this accessory

* For ordering with spring type terminals, please replace 8th digit from '1' to '2'

| Type of accessory® | Version | MPCB size | Type* | Unit LP ₹ | Std. pkg. (nos.) |
|--|---------------------------------------|------------|---------------|-----------|------------------|
| Undervoltage trip units, Screw terminals | 24 V DC | S00 ... S3 | 3RV2902-1AB4# | 5700.- | 1 |
| | 110 V AC 50Hz / 120 V AC 60Hz | | 3RV2902-1AF0# | | 1 |
| | 230 V AC 50Hz / 240 V AC 60Hz | | 3RV2902-1AP0 | | 1 |
| | 400 V AC 50Hz / 440 V AC 60Hz | | 3RV2902-1AV0 | | 1 |
| Shunt trip units, Screw terminals | 20...24V 50/60 Hz (100% ON period) | S00 ... S3 | 3RV2902-1DB0 | 2115.- | 1 |
| | 20...70V 50/60Hz, DC (5s ON period) | | | | 3RV2902-1DF0 |
| | 90...110V 50/60 Hz (100% ON period) | | 3RV2902-1DP0 | | |
| | 70...190V 50/60Hz, DC (5s ON period) | | | | 3RV2902-1DV0# |
| | 210...240V 50/60 Hz (100% ON period) | | 3RV2902-1DV0# | | |
| | 190...330V 50/60Hz, DC (5s ON period) | | | | 3RV2902-1DV0# |
| | 350...415V 50/60 Hz (100% ON period) | | 3RV2902-1DV0# | | |
| | 330...500V 50/60Hz, DC (5s ON period) | | | | 3RV2902-1DV0# |

Spring type terminals are not available for this accessory

* For ordering with spring type terminals, please replace 8th digit from '1' to '2'

® One auxiliary release can be mounted on the right side. (does not apply to 3RV11 motor starter protectors with overload relay function)

Accessories for 3RV1

Mountable accessories

| Type of accessory | Version | For MPCB size | Type* | Unit LP ₹ | Std. pkg. (nos.) |
|--|---|---------------|-------------|-----------|------------------|
| Transverse auxiliary switches With screw terminals, mountable on front | 1CO | S00 ... S3 | 3RV1901-1D# | 595.- | 1 |
| | 1 NO + 1 NC | S00 ... S3 | 3RV1901-1E | 720.- | 1 |
| | 2NO | S00 ... S3 | 3RV1901-1F | 720.- | 1 |
| Transverse auxiliary switch for operation in dusty atmospheres and in solid-state circuits with low operating currents | 1 CO | S00 ... S3 | 3RV1901-1G# | 2490.- | 1 |
| Covers for transverse auxiliary switches | | S00 ... S3 | 3RV1901-0H | 340.- | 10 |
| Lateral auxiliary switches with screw terminals mountable on the left | 1 NO + 1 NC | S00 ... S3 | 3RV1901-1A | 795.- | 1 |
| | 2 NO | | 3RV1901-1B | 795.- | 1 |
| | 2 NC | | 3RV1901-1C | 795.- | 1 |
| | 2 NO + 2 NC | | 3RV1901-1J# | 1350.- | 1 |
| Signaling switches (Alarm contacts)® | Separate tripped and short-circuit alarms, 1 NO + 1 NC each | S0, S2, S3 | 3RV1921-1M# | 1840.- | 1 |
| Isolator modules (for isolating individual MPCB) | Lockable in disconnected position | S2 | 3RV1938-1A# | 4955.- | 1 |

Spring type terminals are not available for this accessory

* 3RV19: For ordering with spring type terminals, please replace 8th digit from '1' to '2'

® One signaling switch can be mounted on the left per MPCB.

Accessories for 3RV1

Mountable accessories

| Type of accessory | Version | For MPCB size | Type® | Unit LP ₹ | Std. pkg. (nos.) |
|--|---------------------------------------|---------------|--------------|-----------|------------------|
| Undervoltage trip units, Screw terminals | 24 V DC | S3 | 3RV1902-1AB4 | 6765.- | 1 |
| | 110 V AC 50Hz / 120 V AC 60Hz | S3 | 3RV1902-1AF0 | | 1 |
| | 230 V AC 50Hz / 240 V AC 60Hz | S3 | 3RV1902-1AP0 | | 1 |
| | 400 V AC 50Hz / 440 V AC 60Hz | S3 | 3RV1902-1AV0 | | 1 |
| Shunt trip units, Screw terminals | 20...24V 50/60 Hz (100% ON period) | S3 | 3RV1902-1DB0 | 2115.- | 1 |
| | 20...70V 50/60Hz, DC (5s ON period) | | | | 1 |
| | 90...110V 50/60 Hz (100% ON period) | S3 | 3RV1902-1DF0 | | 1 |
| | 70...190V 50/60Hz, DC (5s ON period) | | | | 1 |
| | 210...240V 50/60 Hz (100% ON period) | S3 | 3RV1902-1DP0 | | 1 |
| | 190...330V 50/60Hz, DC (5s ON period) | | | | 1 |
| | 350...415V 50/60 Hz (100% ON period) | S3 | 3RV1902-1DV0 | | 1 |
| | 330...500V 50/60Hz, DC (5s ON period) | | | | 1 |

@ One auxiliary release can be mounted on the right per motor starter protector (does not apply to 3RV11 motor starter protectors with overload relay function)

Accessories for 3RV2 / 3RV1

Fixing accessories

| Type of accessory | Version | For MPCB size | Type* | Unit LP ₹ | Std. pkg. (nos.) |
|-------------------|--|------------------|------------|-----------|-------------------|
| Push-in lugs | For screwing the motor starter protector onto mounting plates. For each motor starter protector, 2 units are required. | For 3RV1: S00,S0 | 3RB1900-0B | 20.- | (1 pack = 10 pcs) |
| Push-in lugs | | For 3RV2: S00,S0 | 3RV2928-0B | | (1 pack = 10 pcs) |

Enclosure With EMERGENCY STOP rotary operating mechanism, Lockable in 0 position

| Degree of protection | Integrated terminals | Installation width (for switch + lateral auxiliary switch) | For MPCB size | Type* | Unit LP ₹ | Std. pkg. (nos.) |
|----------------------|----------------------|--|---------------|---------------|-----------|------------------|
| IP55 | N and PE | 54 mm | S00, S0 | 3RV1923-1FA00 | 1395.- | 1 |
| | | 82 mm | S2 | 3RV1933-1GA00 | 4535.- | 1 |

Door-coupling rotary operating mechanism

| Description | Size | Type | Unit LP ₹ | Std. pkg. (nos.) |
|---|-----------------|--------------|-----------|------------------|
| Door operating mechanism with door interlock, defeat facility, padlocking facility. Extension shaft 300mm (fixed coupler) | S00, S0 | 3RV19261B-Z® | 2350.- | 1 |
| | S2 | 3RV19361B-Z® | 2590.- | 1 |
| Breaker operating kit & front drive for size | S3\$ | 3RV19461B-Z® | 3410.- | 1 |
| Front drive – fixed coupler (available as spare) | S00, S0, S2, S3 | 8UC626 | 860.- | 1 |

@ One set available with breaker operator kit and 8UC front drive together

MRP

\$ To use door-operating mechanism, on 3RV2 - Size S3, the knob attachment on breaker must be disassembled.

Busbar accessories

| Type of accessory | Version | Conductor cross-section | | | For MPCB size | Type | Unit LP ₹ | Std. pkg. (nos.) |
|--------------------------|-------------------------|--------------------------------|---------------------------------|--------------------------------|---------------|-------------|-----------|------------------|
| | | Solid or stranded | Finely stranded with end sleeve | AWG cable, solid or stranded | | | | |
| | | mm ² | mm ² | AWG | | | | |
| 3-phase Infeed terminals | Connection from top | 2.5...25 | 2.5...16 | 10 ... 4 | 3RV2 S00, S0 | 3RV2925-5AB | 1080.- | 1 |
| | | 2 x (2.5 ... 50) ²⁾ | 2 x (2.5 ... 35) ²⁾ | 2 x (10.. 1/0) ²⁾ | 3RV2 S2 | 3RV2935-5A | 1215.- | 1 |
| | | 1 x (2.5 ... 70) ²⁾ | 1 x (2.5 ... 50) ²⁾ | 1 x (10 ... 2/0) ²⁾ | | | | 1 |
| | Connection from bottom* | 2.5...25 | 2.5...16 | 10 ... 4 | 3RV2 S00, S0 | 3RV2915-5B | 1215.- | 1 |
| connection from bottom* | 2.5...25 | 4...16 | 12 ... 4 | 3RV1 S00, S0 | 3RV1915-5B | | 1 | |



* This terminal is connected in place of a switch, please take the space requirement into account.

2) If two different conductor cross-sections are connected to one clamping point, both cross-sections must be in the range specified.

Accessories for 3RV2 / 3RV1

Busbar accessories

| Type of accessory ¹⁾ | Modular spacing mm | Number of MPCBs that can be connected | | | Current rating at 690V A | For MPCB size * | Type | Unit LP ₹ | Std. pkg. (nos.) | |
|---|-----------------------|---------------------------------------|-------------------------------|-------------------------|-----------------------------|-----------------|-------------|-------------|------------------|---|
| | | Without lateral accessories | With lateral auxiliary switch | Incl. auxiliary release | | | | | | |
| 3-phase busbar system | 45 ³⁾ | 2 | – | – | 63 | S00, S0 | 3RV1915-1AB | 915.- | 1 | |
| | | 3 | – | – | | S00, S0 | 3RV1915-1BB | 915.- | 1 | |
| | | 4 | – | – | | S00, S0 | 3RV1915-1CB | 1305.- | 1 | |
| | | 5 | – | – | | S00, S0 | 3RV1915-1DB | 1475.- | 1 | |
| | 55 ⁴⁾ | – | 2 | – | | S00, S0 | 3RV1915-2AB | 875.- | 1 | |
| | | – | 3 | – | | S00, S0 | 3RV1915-2BB | 915.- | 1 | |
| | | – | 4 | – | | S00, S0 | 3RV1915-2CB | 1250.- | 1 | |
| | | – | 5 | – | | S00, S0 | 3RV1915-2DB | 1475.- | 1 | |
| | 63 ⁵⁾ | 2 | | | | 108 | S2 | 3RV1935-1A | 1350.- | 1 |
| | | 3 | | | | | | 3RV1935-1B | 1690.- | 1 |
| | | 4 | | | | | | 3RV1935-1C | 2070.- | 1 |
| | 63 ⁵⁾ | – | – | 2 | | 63 | S00, S0 | 3RV1915-3AB | 1135.- | 1 |
| | | – | – | 4 | S00, S0 | | | 3RV1915-3CB | 1480.- | 1 |
| | 75 ⁵⁾ | – | 2 | 2 | 108 | S2 | 3RV1935-3A | 2070.- | 1 | |
| | | – | 3 | 3 | | | 3RV1935-3B | 1925.- | 1 | |
| | | – | 4 | 4 | | | 3RV1935-3C | 2725.- | 1 | |
| Covers for connection tags (Touch protection for empty positions) | | | | | S00, S0 | 3RV1915-6AB | 140.- | 10 | | |
| | | | | | S2 | 3RV1935-6A | 250.- | 5 | | |



1) Not suitable for 3RV21 MPCBs with overload relay function

3) Auxiliary releases and lateral auxiliary switches cannot be used in combination.

4) For 3RV2 MPCB with auxiliary switches 2 NO and 2 NC mounted on the left (9 mm wide).

5) For 3RV2 MPCB with mounted accessories (18 mm wide). Auxiliary switches with 2 NO + 2 NC or signaling switch (mounted on the left) or with auxiliary release (mounted on the right).

* Approved for motor starter protectors size S0, up to 32 A.

Mounting accessories

| Type of accessory | Version | For MPCB size | Type* | Unit LP ₹ | Std. pkg. (nos.) |
|--|---|------------------------------------|--------------|-----------|------------------|
| Scale covers, for covering the set current scale | | 3RV20, 3RV21, 3RV24: S00 ... S2 | 3RV2908-0P | 75.- | 10 |
| Scale covers, for covering the set current scale | | 3RV1 S3 | 3RV1908-0P | 75.- | 10 |
| Covers for devices with box terminals | 2 units required per device (Main current level) | 3RV2 S2 | 3RT2936-4EA2 | 160.- | 1 |
| | | 3RV1 S3 | 3RT1946-4EA2 | 470.- | 1 |
| Terminal covers For cable lug and busbar connection | 2 units required per device | 3RV1 S3 | 3RT1946-4EA1 | 650.- | 1 |



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3VS Motor Protection Circuit Breakers

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MPCBs for motor & plant protection

NEW

| Overload release range A | Type (w/o aux. contact) | Unit LP ₹ | Type (with 1NO+1NC) | Unit LP ₹ | Std. pkg. (nos) |
|-----------------------------|----------------------------|-----------|------------------------|-----------|--------------------|
| 0.1 - 0.16 | 3VS1300-0MB00 | 3110.- | 3VS1300-1MB00 | 3730.- | 1 |
| 0.16 - 0.24 | 3VS1300-0MC00 | | 3VS1300-1MC00 | | 1 |
| 0.24 - 0.4 | 3VS1300-0MD00 | | 3VS1300-1MD00 | | 1 |
| 0.4 - 0.6 | 3VS1300-0ME00 | 3615.- | 3VS1300-1ME00 | 4245.- | 1 |
| 0.6 - 1 | 3VS1300-0MF00 | | 3VS1300-1MF00 | | 1 |
| 1 - 1.6 | 3VS1300-0MG00 | 3645.- | 3VS1300-1MG00 | 4270.- | 1 |
| 1.6 - 2.4 | 3VS1300-0MH00 | | 3VS1300-1MH00 | | 1 |
| 2 - 3.2 | 3VS1300-0NH00 | 3815.- | 3VS1300-1NH00 | 4365.- | 1 |
| 2.4 - 4 | 3VS1300-0MJ00 | | 3VS1300-1MJ00 | | 1 |
| 3.2 - 5 | 3VS1300-0NJ00 | | 3VS1300-1NJ00 | | 1 |
| 4 - 6 | 3VS1300-0MK00 | | 3VS1300-1MK00 | | 1 |
| 5 - 8 | 3VS1300-0NK00 | | 3VS1300-1NK00 | | 1 |
| 6 - 10 | 3VS1300-0ML00 | | 3VS1300-1ML00 | | 1 |
| 8 - 13 | 3VS1300-0NL00 | 4425.- | 3VS1300-1NL00 | 4970.- | 1 |
| 10 - 16 | 3VS1300-0MM00 | 4425.- | 3VS1300-1MM00 | 4970.- | 1 |
| 14 - 20 | 3VS1300-0MN00 | 4510.- | 3VS1300-1MN00 | 5065.- | 1 |
| 18 - 25 | 3VS1300-0MP00 | 5220.- | 3VS1300-1MP00 | 5775.- | 1 |
| 22 - 32 | 3VS1600-0MP00 | 10285.- | 3VS1600-1MP00 | 10845.- | 1 |
| 28 - 40 | 3VS1600-0MQ00 | 11035.- | 3VS1600-1MQ00 | 11595.- | 1 |
| 36 - 52 | 3VS1600-0MR00 | 11035.- | 3VS1600-1MR00 | 11595.- | 1 |

Accessories are common for 3VS & 3VU

Motor protection circuit breakers - 3VU



MPCBs for motor and plant protection

| Overload release range A | Type (w/o aux. contact) | Unit LP ₹ | Type (with 1NO+1NC) | Unit LP ₹ | Std. pkg. (nos.) |
|--------------------------|-------------------------|-----------|---------------------|-----------|------------------|
| 0.1 - 0.16 | 3VU1340-0MB00 | 3515.- | 3VU1340-1MB00 | 4215.- | 1 |
| 0.16 - 0.24 | 3VU1340-0MC00 | | 3VU1340-1MC00 | | |
| 0.24 - 0.4 | 3VU1340-0MD00 | | 3VU1340-1MD00 | | |
| 0.4 - 0.6 | 3VU1340-0ME00 | 4085.- | 3VU1340-1ME00 | 4795.- | 1 |
| 0.6 - 1 | 3VU1340-0MF00 | | 3VU1340-1MF00 | | |
| 1 - 1.6 | 3VU1340-0MG00 | 4120.- | 3VU1340-1MG00 | 4825.- | 1 |
| 1.6 - 2.4 | 3VU1340-0MH00 | | 3VU1340-1MH00 | | |
| 2 - 3.2 | 3VU1340-0NH00 | 4310.- | 3VU1340-1NH00 | 4930.- | 1 |
| 2.4 - 4 | 3VU1340-0MJ00 | | 3VU1340-1MJ00 | | |
| 3.2 - 5 | 3VU1340-0NJ00 | | 3VU1340-1NJ00 | | |
| 4 - 6 | 3VU1340-0MK00 | | 3VU1340-1MK00 | | |
| 5 - 8 | 3VU1340-0NK00 | | 3VU1340-1NK00 | | |
| 6 - 10 | 3VU1340-0ML00 | | 3VU1340-1ML00 | | |

| Overload release range A | Type (w/o aux. contact) | Unit LP ₹ | Type (with 1NO+1NC) | Unit LP ₹ | Std. pkg. (nos.) |
|--------------------------|-------------------------|-----------|---------------------|-----------|------------------|
| 8 - 13 | 3VU1340-0NL00 | 5000.- | 3VU1340-1NL00 | 5615.- | 1 |
| 10 - 16 | 3VU1340-0MM00 | 5000.- | 3VU1340-1MM00 | 5615.- | 1 |
| 14 - 20 | 3VU1340-0MN00 | 5095.- | 3VU1340-1MN00 | 5725.- | 1 |
| 18 - 25 | 3VU1340-0MP00 | 5900.- | 3VU1340-1MP00 | 6525.- | 1 |
| 6 - 10 | 3VU1640-0ML00 | 9565.- | 3VU1640-1ML00 | 10180.- | 1 |
| 10 - 16 | 3VU1640-0MM00 | 9565.- | 3VU1640-1MM00 | 10180.- | 1 |
| 16 - 25 | 3VU1640-0MN00 | 11620.- | 3VU1640-1MN00 | 12255.- | 1 |
| 22 - 32 | 3VU1640-0MP00 | 11620.- | 3VU1640-1MP00 | 12255.- | 1 |
| 28 - 40 | 3VU1640-0MQ00 | 12470.- | 3VU1640-1MQ00 | 13100.- | 1 |
| 36 - 52 | 3VU1640-0MR00 | 12470.- | 3VU1640-1MR00 | 13100.- | 1 |
| 45 - 63 [#] | 3VU1640-0LS00 | 14825.- | 3VU1640-1LS00 | 15465.- | 1 |

Circuit-breakers for plant protection

3TF-3VS/3VU Connector**



| Type | Current | Contactor | | Type of Connector | Unit LP ₹ | Std. pkg. (nos.) |
|-----------------|-------------|-------------|--------------------|-------------------|-----------|------------------|
| | | Type Rating | AC3 Current Rating | | | |
| 3VS13/ 3VU13 | 0.16 to 20A | 3TF30 / 31 | 9 / 12 A | 3TS9001-8K | 270.- | 1 |
| 3VS13/ 3VU13 | 6 to 25A | 3TF32 / 33 | 16 / 22A | 3TS9002-8K | 315.- | 1 |

** For more details refer page no. 38

Circuit breakers with aux. 1NO+1NC, for fuse monitoring

| Rated current In A | Overload release range A | Shortcircuit release setting A | Type | Unit LP ₹ | Std. pkg. (nos.) |
|--------------------|--------------------------|--------------------------------|---------------|-----------|------------------|
| 0.2 | 0.2 | 1.2 | 3VU1340-1MS00 | 4215.- | 1 |

Circuit breakers with aux. 1NO+1NC, for line-side protection of transformers with high inrush current

| Rated current In A | Overload release range A | Shortcircuit release setting A | Type | Unit LP ₹ | Std. pkg. (nos.) |
|--------------------|--------------------------|--------------------------------|---------------|-----------|------------------|
| 0.6 | 0.4 - 0.6 | 12 | 3VU1340-1TE00 | 6705.- | 1 |
| 1 | 0.6 - 1 | 15 | 3VU1340-1TF00 | | 1 |
| 1.6 | 1 - 1.6 | 29 | 3VU1340-1TG00 | | 1 |
| 2.4 | 1.6 - 2.4 | 48 | 3VU1340-1TH00 | | 1 |
| 4 | 2.4 - 4 | 72 | 3VU1340-1TJ00 | | 1 |
| 6 | 4 - 6 | 120 | 3VU1340-1TK00 | | 1 |
| 10 | 6 - 10 | 190 | 3VU1340-1TL00 | | 1 |
| 16 | 10 - 16 | 300 | 3VU1340-1TM00 | | 1 |
| 20 | 14 - 20 | 300 | 3VU1340-1TN00 | | 1 |

Common accessories for 3VS/3VU

| Description | Version | Type | Unit LP ₹ | Std. pkg. (nos.) |
|--------------------------|---|---------------|-----------|------------------|
| Add-on aux. block | 1 NO + 1 NC | 3VU9131-3AA00 | 760.- | 1 |
| Short-circuit signaller | 1 NO + 1 NC | 3VU9131-7AA00 | 895.- | 1 |
| Undervoltage release | 230 V, 50 Hz | 3VU9132-0AB15 | 2105.- | 1 |
| Shunt trip | 230 V, 50 Hz 24 V, 50 Hz DC 110-240 V | 3VU9132-0AB55 | | 1 |
| | | 3VU9132-0AB50 | | 1 |
| Toggle padlocking device | Locking in Off pos | 3VU9168-0KA00 | 565.- | 1 |

| Description | Version | Type | Unit LP ₹ | Std. pkg. (nos.) |
|--|---|---------------|--------------------|------------------|
| 50 kA current limiter for 3VS13/3VU13 only | Rated current = 56 A aux contacts 1NO+1NC | 3VU9138-2AB00 | 5895.- | 1 |
| Three-phase busbar for 3VS13/3VU13 only | In feed terminal (63 A) | 3RV1925-5AB | 1160.- | 1 |
| | busbars for 2 MPCBs | 3VU9135-1AB02 | 845.- | 1 |
| | busbars for 3 MPCBs | 3VU9135-1AB03 | 1020.- | 1 |
| | busbars for 4 MPCBs | 3VU9135-1AB04 | 1305.- | 1 |
| | busbars for 5 MPCBs | 3VU9135-1AB05 | 1470.- | 1 |
| Door operating mechanism with door interlock, defeat facility, pad locking facility, extension shaft 300mm | Breaker operating kit & front drive (fixed coupler) for 3VS13/3VU13 for 3VS16/3VU16 | 3VU9133-Z® | 2305.- | 1 |
| | | 3VU9163-Z® | 2460.- | 1 |
| Front drive for 3VS & 3VU | Fixed coupler | 8UC616 | 760.- [#] | 1 |

@ 1 set available with breaker operator kit and 8UC front drive together

MRP

■ Stock items

Please order in multiples of standard packing.

LP - List Price



The advertisement features a Siemens ET 200SP motor starter unit in the background, with a semi-transparent control panel overlaid on it. The control panel displays various status indicators and labels such as "Control Motorstarter", "Motor right", "Motor left", "Quickstop", "PROFinergy", and "Integrated DI Quickstop Limit right Limit left". A legend on the right side of the panel lists these indicators with corresponding colored boxes: green for "Ready to start for motor on", light green for "Motor right", grey for "Motor left", white for "Quickstop", and white for "PROFinergy". A binary code "0 1 0 1 0 1 1 1 0 0 1 0 1 0 0 1 0 1 1 1 1 1" is visible on the panel. In the foreground, a motor with a green "M" label is shown, connected to the starter unit. The overall aesthetic is modern and technical, with a green and white color scheme.

SIEMENS

Ingenuity for life

- Ready to start for motor on
- Motor right
- Motor left
- Quickstop
- PROFinergy

Compact & Intelligent

ET 200SP- Motor Starters

- Compact: Overload and short circuit protection in 30mm width
- Intelligent: Communication with PLC on profibus and profinet
- Push in technology: Hook in ,slide and engage
- Easy installation: In feed once, formation of power bus

www.siemens.co.in

Digital soft starters - SIRIUS 3RW30/40/44



3RW30

From 1.5 - 55 kW

- Compact design
- Integrated bypass contact system
- Soft start
- Innovative 2-phase "Polarity Balancing" operation



3RW40

From 5.5 - 250 kW

- Soft start, soft stop, adjustable current limit.
- Integrated bypass contact system
- Integrated microprocessor based overload relay with adjustable trip class 10/15/20.
- Intrinsic device protection to protect against thermal overloading of thyristors.
- Integrated state and fault monitoring
- Innovative 2-phase "Polarity Balancing" operation



3RW44

From 22 - 1200 kW

- Coated Circuit board for better withstanding in harsh environments
- Torque control, Adjustable current limiting
- Graphical display (LCD) with background illumination
- Optional communication modules (PROFINET/PROFIBUS DP)
- Programmable 4 inputs and 3 outputs.
- Integrated motor overload protection with adjustable trip class 5/10/15/20/30 and device self-protection
- Integrated bypass contact system
- Integrated state and fault monitoring
- Standard circuit (in-line) and inside-the-delta circuit
- Creep speed / inching mode / brake function

3RW30: for standard applications

| Rated operating voltage U _e , In line circuit V AC | Motor rating at 415V, 40°C, normal starting, in line circuit kW | Rated operating current I _e (AC-53a) A (40°C/50°C/60°C) | Type | Unit LP ₹ | Std. pkg. (nos) |
|---|---|--|----------------|-----------|-----------------|
| 200-480 | 1.5 | 3.6/3.3/3 | 3RW3013-1BB\$4 | 10185.- | 1 |
| 200-480 | 3 | 6.5/6/5.5 | 3RW3014-1BB\$4 | 11820.- | 1 |
| 200-480 | 4 | 9/8/7 | 3RW3016-1BB\$4 | 13545.- | 1 |
| 200-480 | 5.5 | 12.5/12/11 | 3RW3017-1BB\$4 | 16045.- | 1 |
| 200-480 | 7.5 | 17.6/17/14 | 3RW3018-1BB\$4 | 19315.- | 1 |
| 200-480 | 11 | 25.3/23/21 | 3RW3026-1BB\$4 | 21330.- | 1 |
| 200-480 | 15 | 32.2/29/26 | 3RW3027-1BB\$4 | 27865.- | 1 |
| 200-480 | 18.5 | 38/34/31 | 3RW3028-1BB\$4 | 34785.- | 1 |
| 200-480 | 22 | 45/42/39 | 3RW3036-1BB\$4 | 37855.- | 1 |
| 200-480 | 30 | 65/58/53 | 3RW3037-1BB\$4 | 51495.- | 1 |
| 200-480 | 37 | 72/62.1/60 | 3RW3038-1BB\$4 | 63410.- | 1 |
| 200-480 | 45 | 80/73/66 | 3RW3046-1BB\$4 | 71095.- | 1 |
| 200-480 | 55 | 106/98/90 | 3RW3047-1BB\$4 | 78780.- | 1 |

\$ Order No. supplement for rated control supply voltage U_s

• 24 V AC/DC 0

• 110 ... 230 V AC/DC 1

3RW40: for standard applications

| Rated operating voltage U _e , In line circuit V AC | Motor rating at 415V, 40°C, normal starting, in line circuit kW | Rated operating current I _e (AC-53a) A (40°C/50°C/60°C) | Type | Unit LP ₹ | Std. pkg. (nos) |
|---|---|--|----------------|-----------|-----------------|
| 200...480 | 5.5 | 12.5 / 11 / 10 | 3RW4024-1BB\$4 | 27520.- | 1 |
| 200...480 | 11 | 25 / 23 / 21 | 3RW4026-1BB\$4 | 34000.- | 1 |
| 200...480 | 15 | 32 / 29 / 26 | 3RW4027-1BB\$4 | 42115.- | 1 |
| 200...480 | 18.5 | 38 / 34 / 31 | 3RW4028-1BB\$4 | 51825.- | 1 |
| 200...480 | 22 | 45 / 42 / 39 | 3RW4036-1BB\$4 | 58760.- | 1 |
| 200...480 | 30 | 63 / 58 / 53 | 3RW4037-1BB\$4 | 69400.- | 1 |
| 200...480 | 37 | 72 / 62 / 60 | 3RW4038-1BB\$4 | 78650.- | 1 |
| 200...480 | 45 | 80 / 73 / 66 | 3RW4046-1BB\$4 | 88675.- | 1 |
| 200...480 | 55 | 106 / 98 / 90 | 3RW4047-1BB\$4 | 98710.- | 1 |

\$ Control Voltage Code: 0 for 24V AC / DC; 1 for 110...230V AC / DC

For 3RW40 soft starters with thermistor protection in the above range please add ₹ 6800.- to above price and change the 9th digit in the type reference to 'T' from 'B'. (e.g. 3RW4024 1TB04). The 3RW40 soft starter with thermistor protection can be offered with 24 V AC/DC supply voltage only

| Rated operating voltage U _e , In line circuit V AC | Motor rating at 415V, 40°C, normal starting, in line circuit kW | Rated operating current I _e (AC-53a) A (40°C/50°C/60°C) | Type | Unit LP ₹ | Std. pkg. (nos) |
|---|---|--|---------------|-----------|-----------------|
| 200...460 | 75 | 134 / 117 / 100 | 3RW4055-6BB†4 | 131085.- | 1 |
| 200...460 | 90 | 162 / 145 / 125 | 3RW4056-6BB†4 | 161935.- | 1 |
| 200...460 | 132 | 230 / 205 / 180 | 3RW4073-6BB†4 | 185065.- | 1 |
| 200...460 | 160 | 280 / 248 / 215 | 3RW4074-6BB†4 | 223625.- | 1 |
| 200...460 | 200 | 356 / 315 / 280 | 3RW4075-6BB†4 | 246750.- | 1 |
| 200...460 | 250 | 432 / 385 / 335 | 3RW4076-6BB†4 | 269890.- | 1 |

† Control voltage code: 3 for 115V AC, 4 for 230V AC

3RW44: for heavy duty applications

| Rated operating voltage U _e , in line circuit V AC | Motor rating at 415V, 40°C, normal starting, (in line circuit) kW | Motor rating at 415V, 40°C, normal starting, (in delta circuit) kW | Rated operating current I _e (AC-53a) A (40°C/50°C/60°C) | Type* | Unit LP ₹ | Std. pkg. (nos) |
|---|---|--|--|----------------|-----------|-----------------|
| 200...460 | 15 | 22 | 29 / 26 / 23 | 3RW4422-1BC\$4 | 85345.- | 1 |
| 200...460 | 18.5 | 30 | 36 / 32 / 29 | 3RW4423-1BC\$4 | 100590.- | 1 |
| 200...460 | 22 | 45 | 47 / 42 / 37 | 3RW4424-1BC\$4 | 106685.- | 1 |
| 200...460 | 30 | 55 | 57 / 51 / 45 | 3RW4425-1BC\$4 | 128015.- | 1 |
| 200...460 | 37 | 75 | 77 / 68 / 59 | 3RW4426-1BC\$4 | 152405.- | 1 |
| 200...460 | 45 | 90 | 98 / 82 / 72 | 3RW4427-1BC\$4 | 192020.- | 1 |
| 200...460 | 55 | 110 | 113 / 100 / 88 | 3RW4434-6BC\$4 | 222505.- | 1 |
| 200...460 | 75 | 132 | 134 / 117 / 100 | 3RW4435-6BC\$4 | 243850.- | 1 |
| 200...460 | 90 | 160 | 162 / 145 / 125 | 3RW4436-6BC\$4 | 251705.- | 1 |
| 200...460 | 110 | 200 | 203 / 180 / 156 | 3RW4443-6BC\$4 | 260205.- | 1 |
| 200...460 | 132 | 250 | 250 / 215 / 185 | 3RW4444-6BC\$4 | 282505.- | 1 |
| 200...460 | 160 | 315 | 313 / 280 / 250 | 3RW4445-6BC\$4 | 304800.- | 1 |
| 200...460 | 200 | 355 | 356 / 315 / 280 | 3RW4446-6BC\$4 | 359665.- | 1 |
| 200...460 | 250 | 400 | 432 / 385 / 335 | 3RW4447-6BC\$4 | 408895.- | 1 |
| 230...460 | 315 | 560 | 551 / 494 / 438 | 3RW4453-6BC\$4 | 518165.- | 1 |
| 230...460 | 355 | 630 | 615 / 551 / 489 | 3RW4454-6BC\$4 | 685810.- | 1 |
| 230...460 | 400 | 710 | 693 / 615 / 551 | 3RW4455-6BC\$4 | 774205.- | 1 |
| 230...460 | 450 | 800 | 780 / 693 / 615 | 3RW4456-6BC\$4 | 853450.- | 1 |
| 230...460 | 500 | 900 | 880 / 780 / 693 | 3RW4457-6BC\$4 | 893075.- | 1 |
| 230...460 | 560 | 1000 | 970 / 850 / 760 | 3RW4458-6BC\$4 | 966230.- | 1 |
| 230...460 | 630 | 1100 | 1076 / 970 / 880 | 3RW4465-6BC\$4 | 1115585.- | 1 |
| 230...460 | 710 | 1200 | 1214 / 1076 / 970 | 3RW4466-6BC\$4 | 1264945.- | 1 |

Accessories for 3RW44

| Description | Type | Unit LP ₹ | Std. pkg. (nos.) |
|--|--------------------|-----------|------------------|
| Software for PC interface | 3ZS1313-4CC10-0YA5 | 5735.- | 1 |
| PC cable for PC/PG communication - USB connection | 3UF79410AA00-0 | 9770.- | 1 |
| Profibus communication module | 3RW49000KC00 | 19655.- | 1 |
| ProfiNET communication module | 3RW49000NC00 | 33900.- | 1 |
| External display and operating module | 3RW49000AC00 | 17855.- | 1 |
| - Connection cable for external display module (0.5 mtr - flat) | 3UF79320AA00-0 | 1225.- | 1 |
| - Connection cable for external display module (1 mtr - round) | 3UF79370BA00-0 | 3075.- | 1 |
| - Connection cable for external display module (2.5 mtr - round) | 3UF79330BA00-0 | 3345.- | 1 |

* - For 3RW44 with operating voltage U_e 400...600V AC: Change the last digit of MLFB from "4" to "5" and increase the standard operating voltage list price by 15%.

- For 3RW44 with operating voltage U_e 400...690V AC: Change the last digit of MLFB from "4" to "6" and increase the standard operating voltage list price by 30%.

\$ Control voltage code: 3 for 115V AC, 4 for 230V AC

Note: Commissioning service is available at extra cost.

The Sirius 3RW30/40/44 soft starters are designed for normal starting conditions.

$J_{load} < 10 \times J_{motor}$

In the event of deviating conditions or higher switching frequency, it may be necessary to choose a larger unit.

Siemens recommends use of selection and simulation program Simulation Tool for Soft Starters (STS).

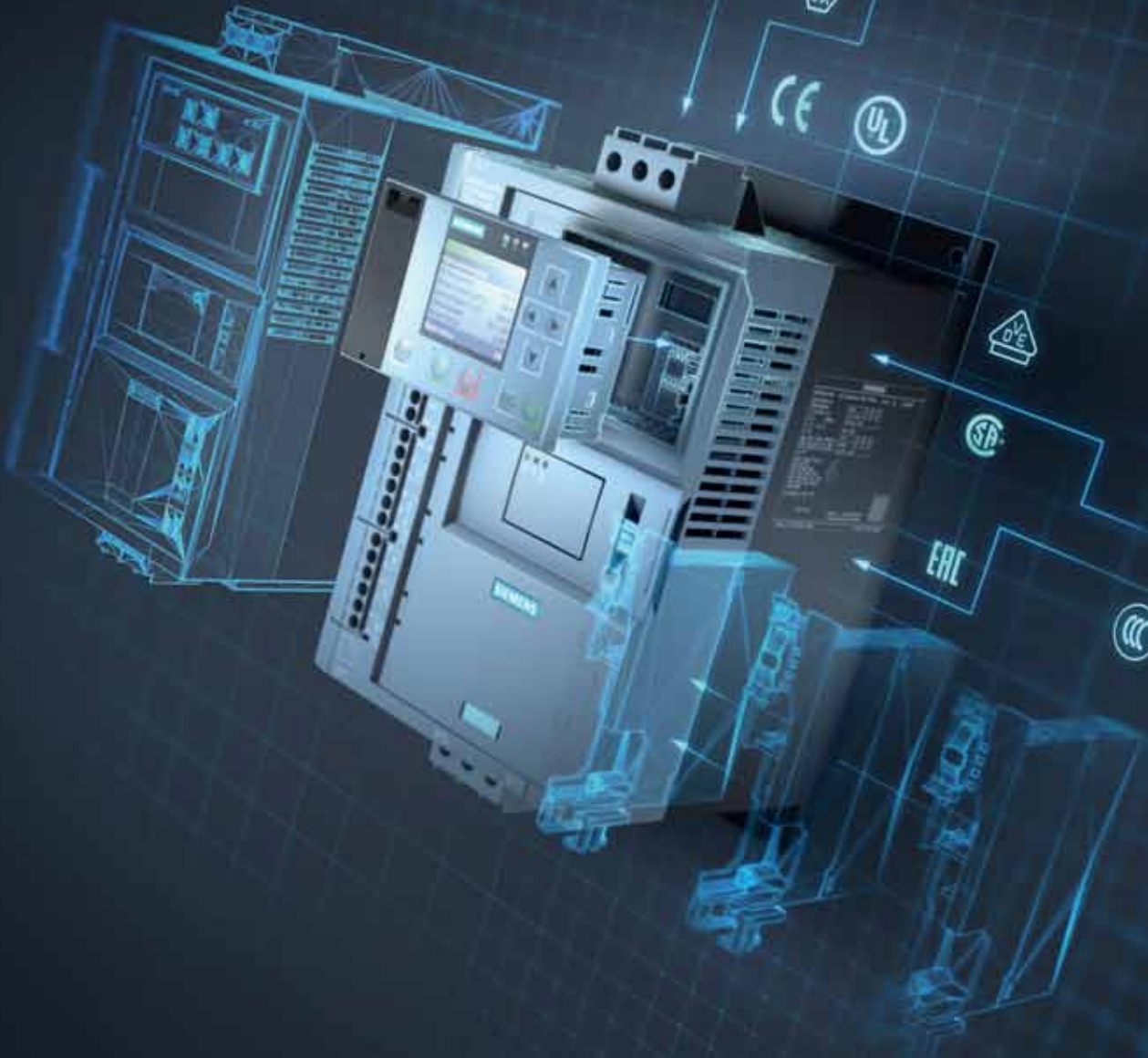
Refer technical specifications for more details.

For more details, please visit: www.siemens.com/softstarter



SIEMENS

Ingenuity for life



Reinventing Soft Starters

SIRIUS 3RW5 soft starters

Digital soft starters - SIRIUS 3RW52/55

SIRIUS 3RW52-Standard Applications From 5.5 - 315kW

- Main Voltage: 200-480V & 200-600V
- Bypass System: Integrated (Hybrid technology)
- Controlled Phases: 3
- Connection Type: Standard & Inside Delta
- Control Voltage: 24V AC/DC & 110-250V AC
- Motor over load protection class: 10A, 10E, 20E
- Analog output: 0-10V & 4-20mA (Optional)
- Communication: Optional
- Protocol: PN-Std, PB, MB-TCP, PN-HF, ETH-IP, MB-RTU
- Operator Panel: Standard and High features HMI
- PCB Coating: All PCBs



| Rated operating voltage U _e , in line circuit V AC | Motor rating at 415V, 40°C, normal starting, (in line circuit) kW | Motor rating at 415V, 40°C, normal starting, (in delta circuit) kW | Rated operating current I _e (AC-53a) A (40°C/50°C) | Type | Unit LP ₹ | Std. pkg. (nos) |
|---|---|--|---|----------------|-----------|-----------------|
| 200...480 | 5.5 | 11 | 13/11.5 | 3RW5213-1AC\$4 | 56115.- | 1 |
| 200...480 | 7.5 | 15 | 18/15.9 | 3RW5214-1AC\$4 | 62350.- | 1 |
| 200...480 | 11 | 18.5 | 25/22.3 | 3RW5215-1AC\$4 | 71700.- | 1 |
| 200...480 | 15 | 22 | 32/28.4 | 3RW5216-1AC\$4 | 75770.- | 1 |
| 200...480 | 18.5 | 30 | 38/33.5 | 3RW5217-1AC\$4 | 89310.- | 1 |
| 200...480 | 22 | 45 | 47/41.6 | 3RW5224-1AC\$4 | 94720.- | 1 |
| 200...480 | 30 | 55 | 63/55.5 | 3RW5225-1AC\$4 | 113670.- | 1 |
| 200...480 | 37 | 75 | 77/68 | 3RW5226-1AC\$4 | 135315.- | 1 |
| 200...480 | 45 | 90 | 93/82.5 | 3RW5227-1AC\$4 | 170485.- | 1 |
| 200...480 | 55 | 110 | 113/101 | 3RW5234-2AC\$4 | 197555.- | 1 |
| 200...480 | 75 | 132 | 143/128 | 3RW5235-2AC\$4 | 216500.- | 1 |
| 200...480 | 90 | 160 | 171/151 | 3RW5236-2AC\$4 | 223480.- | 1 |
| 200...480 | 110 | 200 | 210/186 | 3RW5243-2AC\$4 | 231020.- | 1 |
| 200...481 | 132 | 250 | 250/220 | 3RW5244-2AC\$4 | 250825.- | 1 |
| 200...482 | 160 | 315 | 315/279 | 3RW5245-2AC\$4 | 270615.- | 1 |
| 200...483 | 200 | 355 | 370/328 | 3RW5246-2AC\$4 | 319330.- | 1 |
| 200...484 | 250 | 400 | 470/416 | 3RW5247-2AC\$4 | 363040.- | 1 |
| 200...485 | 315 | 560 | 570/504 | 3RW5248-2AC\$4 | 460050.- | 1 |

* – For 3RW52 with operating voltage U_e 200...600V AC: Change the last digit of MLFB from “4” to “5” and increase the standard operating voltage list price by 15%.
 – For 3RW52 with thermister motor protection Change the 8th digit of MLFB from “A” to “T”

\$ Control voltage code: 0 for 24V AC/DC, 1 for 110---250 V AC

Note: Commissioning service is available at extra cost.

In the event of deviating conditions or higher switching frequency, it may be necessary to choose a larger unit.

Siemens recommends use of selection and simulation program Simulation Tool for Soft Starters (STS).

Refer technical specifications for more details.

For more details, please visit: www.siemens.com/softstarter

Soft Starter selection made handy!

with few clicks on your mobile



3RW55: for heavy duty and high end applications
From 5.5 - 315 kW

NEW



- Main Voltage: 200-480V & 200-690V
- Bypass System: Integrated (Hybrid technology)
- Controlled Phases: 3
- Connection Type: Standard & Inside Delta
- Control Voltage: 24V AC/DC & 110-250V AC
- Motor over load protection class: 5/10/15/20/30
- Analog output: 0-10V & 4-20mA (Optional)
- Communication: Optional
- Protocol: PN-Std, PB, MB-TCP, PN-HF, ETH-IP, MB-RTU
- Operator Panel: High features HMI
- PCB Coating: All PCBs
- With unique Autoparameterisation feature

| Rated operating voltage U _e , in line circuit V AC | Motor rating at 415V, 40°C, normal starting, (in line circuit) kW | Motor rating at 415V, 40°C, normal starting, (in delta circuit) kW | Rated operating current I _e (AC-53a) A (40°C/50°C) | Type | Unit LP ₹ | Std. pkg. (nos) |
|---|---|--|---|----------------|-----------|-----------------|
| 200...480 | 5.5 | 11 | 13/11.5 | 3RW5513-1HA\$4 | 65000.- | 1 |
| 200...480 | 7.5 | 15 | 18/15.9 | 3RW5514-1HA\$4 | 69150.- | 1 |
| 200...480 | 11 | 18.5 | 25/22.3 | 3RW5515-1HA\$4 | 81355.- | 1 |
| 200...480 | 15 | 22 | 32/28.4 | 3RW5516-1HA\$4 | 95710.- | 1 |
| 200...480 | 18.5 | 30 | 38/33.5 | 3RW5517-1HA\$4 | 112810.- | 1 |
| 200...480 | 22 | 45 | 47/41.6 | 3RW5524-1HA\$4 | 119645.- | 1 |
| 200...480 | 30 | 55 | 63/55.5 | 3RW5525-1HA\$4 | 143570.- | 1 |
| 200...480 | 37 | 75 | 77/68 | 3RW5526-1HA\$4 | 170920.- | 1 |
| 200...480 | 45 | 90 | 93/82.5 | 3RW5527-1HA\$4 | 215350.- | 1 |
| 200...480 | 55 | 110 | 113/101 | 3RW5534-2HA\$4 | 249540.- | 1 |
| 200...480 | 75 | 132 | 143/128 | 3RW5535-2HA\$4 | 273475.- | 1 |
| 200...480 | 90 | 160 | 171/151 | 3RW5536-2HA\$4 | 282290.- | 1 |
| 200...480 | 110 | 200 | 210/186 | 3RW5543-2HA\$4 | 291815.- | 1 |
| 230...480 | 132 | 250 | 250/220 | 3RW5544-2HA\$4 | 316830.- | 1 |
| 230...480 | 160 | 315 | 315/279 | 3RW5545-2HA\$4 | 341830.- | 1 |
| 230...480 | 200 | 355 | 370/328 | 3RW5546-2HA\$4 | 403360.- | 1 |
| 230...480 | 250 | 400 | 470/416 | 3RW5547-2HA\$4 | 458575.- | 1 |
| 230...480 | 315 | 560 | 570/504 | 3RW5548-2HA\$4 | 581120.- | 1 |

Accessories for 3RW55/3RW52

| Description | Type | Unit LP ₹ | Std. pkg. (nos.) |
|---|-----------------|-----------|------------------|
| Profibus communication module | 3RW5980-0CP00 | 31295.- | 1 |
| ProfiNET communication module | 3RW5980-0CS00 | 35210.- | 1 |
| Modbus TCP | 3RW5980-0CT00 | 31295.- | 1 |
| External display - Standard HMI | 3RW5980-0HS00 | 10960.- | 1 |
| External display - High Featured HMI | 3RW5980-0HF00 | 31660.- | 1 |
| - Connection cable for external display module (Door Mounting) (5 mtr - flat) | 3RW5980-0HC60 | 7600.- | 1 |
| - Connection cable for external display module (0.1 mtr - flat) | 3UF7931-0AA00-0 | 935.- | 1 |
| - Connection cable for external display module (0.5 mtr - flat) | 3UF7932-0BA00-0 | 2790.- | 1 |
| - Connection cable for external display module (1 mtr - round) | 3UF7937-0BA00-0 | 3075.- | 1 |
| - Connection cable for external display module (2.5 mtr - round) | 3UF7933-0BA00-0 | 3345.- | 1 |



* - For 3RW55 with operating voltage U_e 200...690V AC: Change the last digit of MLFB from "4" to "6" and increase the standard operating voltage list price by 30%.

\$ Control voltage code: 0 for 24V AC/DC, 1 for 115---250V AC

Note: Commissioning service is available at extra cost.

Siemens recommends use of selection and simulation program **Simulation Tool for Soft Starters (STS)**.

Refer technical specifications for more details.

For more details, please visit: www.siemens.com/softstarter

3RM1 Compact Starters – DOL and RDOL



Start-up with a small footprint –
SIRIUS 3RM1 Motor Starter
 Multifunctional with a width of just 22.5mm

| Rated operational voltage Ue | Description | Type | Unit LP ₹ |
|------------------------------|----------------------|--------------|-----------|
| 48–500V | DOL, upto 0.12KW | 3RM10011AA.4 | 19080.- |
| 48–500V | DOL, 0.09 to 0.75KW | 3RM10021AA.4 | 19080.- |
| 48–500V | DOL, 0.55 to 3KW | 3RM10071AA.4 | 19080.- |
| 48–500V | RDOL, upto 0.12KW | 3RM12011AA.4 | 20775.- |
| 48–500V | RDOL, 0.09 to 0.75KW | 3RM12021AA.4 | 20775.- |
| 48–500V | RDOL, 0.55 to 3KW | 3RM12071AA.4 | 20775.- |

Enter code for coil voltage,50Hz (0 for 24V DC, 1 for AC 110–230V AC; 110V DC

Spares

| Description | Type | Unit MRP ₹ |
|-------------------------------|------------|--------------|
| 3-phase busbar for 2 3RM1 | 3RM19101AA | upon request |
| 3-phase busbar for 3 3RM1 | 3RM19101BA | upon request |
| 3-phase busbar for 5 3RM1 | 3RM19101DA | upon request |
| CAP for busbar of 3RM1 | 3RM19106AA | upon request |
| 3-PHASE FEED-IN TERMINAL 3RM1 | 3RM19201AA | upon request |

A man and a woman are standing in a lush green field. The man, on the right, is wearing a white striped kurta and an orange turban, and is holding a wooden-handled tool over his shoulder. The woman, on the left, is wearing a red sari and is smiling. A large pipe is visible in the foreground, with water spraying out of it. The background is a clear blue sky.

SIEMENS

Ingenuity for life

Agriculture Starter complying to latest standards

Automatic Star Delta Starters IEC 60947-4-1:
2012 Compliant

Direct-on-Line Starters ISI Marked-BIS Approved

www.siemens.co.in

DOL starters - 3TW



Starter in S. S. housing, incl. birelay with SPP

| Motor rating at 415V, 3ph, 50Hz | | Type ¹⁾ (DOL) | Relay range A | Unit MRP ₹ | Std. pkg. (nos.) |
|---------------------------------|------|--------------------------|---------------|------------|------------------|
| HP | kW | | | | |
| 0.33 | 0.25 | 3TW72911A.64 | 0.63-1 | 2170.- | 1 |
| 0.75 | 0.55 | 3TW72911A.66 | 1-1.6 | | 1 |
| 1 | 0.75 | 3TW72911A.68 | 1.6-2.5 | | 1 |
| 1.5 | 1.1 | 3TW72911A.69 | 2-3.2 | | 1 |
| 2 | 1.5 | 3TW72911A.71 | 3.2-5 | | 1 |
| 3 | 2.2 | 3TW72911A.72 | 4-6.3 | | 1 |
| 5 | 3.7 | 3TW72911A.74 | 6.3-10 | | 1 |
| - | - | 3TW72911A.75 | 8-12.5 | | 1 |
| 7.5 | 5.5 | 3TW72911A.77 | 10-16 | | 1 |
| 10 | 7.5 | 3TW72911A.78 | 12.5-20 | | 2840.- |

¹⁾ Enter code for coil voltage, 50Hz (B for 200-400V, W for 415V)

Starter in S.S.housing (without birelay - to be ordered separately)

| Motor rating at 415V, 3ph, 50Hz | | Type ²⁾ (DOL) | Birelay (recommended) | Unit LP ₹ | Std. pkg. (nos.) |
|---------------------------------|------|--------------------------|-----------------------|-----------|------------------|
| HP | kW | | | | |
| 15 | 11 | 3TW0493-2AR0** | 3UA52(16-25A) | 5870.- | 1 |
| 20 | 15 | ■ 3TW0494-2A.. | 3UA55 (20-32A) | 7215.- | 1 |
| 25 | 18.5 | ■ 3TW0495-2A.. | 3UA55 (25-36A) | 8240.- | 1 |
| 30 | 22 | ■ 3TW0496-2A.. | 3UA58 (32-50A) | 10165.- | 1 |
| 40 | 30 | 3TW0497-2A.. | 3UA58 (40-57A) | 12960.- | 1 |
| 50 | 37 | 3TW0498-2A.. | 3UA58 (57-70A) | 16815.- | 1 |
| 75 | 55 | 3TW0590-2A.. | 3UA5830 (85-105A) | 23575.- | 1 |

* Only coil voltage of 415V 50Hz available



Star-delta starters - 3TE

Automatic starter in S.S. housing (without birelay)

| Motor rating at 415V, 3ph, 50Hz | | Type ²⁾ (ASD) | Unit LP ₹ | Std. pkg. (nos.) |
|---------------------------------|-----|--------------------------|-----------|------------------|
| HP | kW | | | |
| 30 | 22 | 3TE0494-2A... | 21900.- | 1 |
| 40 | 30 | 3TE0494-2A... | 21900.- | 1 |
| 50 | 37 | 3TE0495-2A... | 30580.- | 1 |
| 60 | 45 | 3TE0496-2A... | 43385.- | 1 |
| 75 | 55 | 3TE0497-2A... | 53090.- | 1 |
| 100 | 75 | 3TE0594-2AR0**† | 75550.- | 1 |
| 125 | 90 | 3TE0595-2AR0**† | 77780.- | 1 |
| 150 | 110 | 3TE0596-2AR0**† | 78885.- | 1 |
| 180 | 132 | 3TE0597-2AR0**† | 84445.- | 1 |

*† Have in-built relay

²⁾ Enter code for coil voltage, 50Hz ("R0" for 415V, "P0" for 230V)

Automatic starter in S.S. housing, incl. birelay with SPP

| Motor rating at 415V, 3ph, 50Hz | | Type ⁴⁾ (ASD) | Relay range A | Unit MRP ₹ | Std. pkg. (nos.) |
|---------------------------------|------|--------------------------|---------------|------------|------------------|
| HP | kW | | | | |
| 10 | 7.5 | 3TE72910AW74 | 6.3-10 | 9680.- | 1 |
| 12.5 | 9.3 | 3TE72910A.75 | 8-12.5 | 10155.- | 1 |
| 15 | 11 | 3TE72910A.77 | 10-16 | 10420.- | 1 |
| 20 | 15 | 3TE72910A.78 | 12.5-20 | 12660.- | 1 |
| 25 | 18.5 | 3TE72910A.79 | 16-25 | 14110.- | 1 |

⁴⁾ Enter code for coil voltage, 50Hz (B for 200-400V, W for 415V)

Contactor & Birelay list for 3TE04/ 3TE05 type ASD starter

| HP | KW | 3TE04/ 3TE05 type starter | Contactor Line/ Delta | Contactor Star | Bi-relay ††† |
|-----|-----|---------------------------|-----------------------|----------------|-----------------|
| 30 | 22 | 3TE0494-2A.... | 3TF34 | 3TF34 | 3UA55(16-25A) |
| 40 | 30 | 3TE0494-2A.... | 3TF34 | 3TF34 | 3UA55(20-32A) |
| 50 | 37 | 3TE0495-2A.... | 3TF35 | 3TF34 | 3UA55(32-40A) |
| 60 | 45 | 3TE0496-2A.... | 3TF46 | 3TF34 | 3UA55(32-50A) |
| 75 | 55 | 3TE0497-2A.... | 3TF47 | 3TF34 | 3UA55(40-57A) |
| 100 | 75 | 3TE0594-2A.... | 3TF49 | 3TF47 | 3UA58(70-95A) |
| 125 | 90 | 3TE0595-2A.... | 3TF50 | 3TF47 | 3UA58(70-95A) |
| 150 | 110 | 3TE0596-2A.... | 3TF50 | 3TF50 | 3UA58(95-120A) |
| 180 | 132 | 3TE0597-2A.... | 3TF51 | 3TF50 | 3UA62(115-180A) |

††† 3TE05 have in-built birelay whereas 3TE04 doesn't have in-built birelay

Spares for starters

Spares for 3TW7 Starters

| Description | Type | Unit MRP ₹ | Std. pkg. (nos.) |
|--------------------------|------------------|------------|------------------|
| Cotactor for 200-400V | 3TS30-10-0AZ608K | 940.- | 1 |
| Cotactor for 200-400V | 3TS32-10-0AZ608K | 1265.- | 1 |
| Cotactor for 415V | 3TS30-10-0AR008K | 940.- | 1 |
| Cotactor for 415V | 3TS32-10-0AR008K | 1110.- | 1 |
| Relay | 3UW5102-## | 1410.- | 1 |
| Coil for 200-400V | 3TY7403-0AZ6 | 640.- | 10 |
| Coil for 415V | 3TY7403-0AR0 | 640.- | 10 |
| 1NO Contact block | 3SB54200B | 90.- | 10 |
| "ON" & "OFF" Push button | # | # | 10 |
| 'Reset' actuator for HSD | 3TX0204-1YR0 | 145.- | 1 |

The spares shall be used with starters only.

Contact Sales

Code for 3UW51/52 relay range

| Relay range | 0.63-1 | 1-1.6 | 1.6-2.5 | 2-3.2 | 3.2-5 | 4-6.3 | 6.3-10 | 8-12.5 | 10-16 | 12.5-20 | 16-25 |
|-------------|--------|-------|---------|-------|-------|-------|--------|--------|-------|---------|-------|
| Code | 0J | 1A | 1C | 1D | 1F | 1G | 1J | 1K | 2A | 2B | 2C |

■ Stock items

Please order in multiples of standard packing.

Spares for 3TE7 Starters

| Description | Type | Unit MRP ₹ | Std. pkg. (nos.) |
|-----------------------------|------------------|------------|------------------|
| Cotactor for 200-400V | 3TS30-10-0AZ608K | 940.- | 1 |
| Cotactor for 415V | 3TS30-10-0AR008K | 940.- | 1 |
| Cotactor for 200-400V | 3TS32-10-0AZ608K | 1265.- | 1 |
| Cotactor for 415V | 3TS32-10-0AR008K | 1110.- | 1 |
| Cotactor for 200-400V | 3TS33-00-0AZ608K | 1600.- | 1 |
| Cotactor for 415V | 3TS33-00-0AR008K | 1445.- | 1 |
| Relay | 3UW5102-## | 1410.- | 1 |
| Relay | 3UW5202## | 1580.- | 1 |
| Coil for 200-400V | 3TY7403-0AZ6 | 640.- | 10 |
| Coil for 415V | 3TY7403-0AR0 | 640.- | 10 |
| 1NO Contact block | 3SB54200B | 90.- | 10 |
| "ON" & "OFF" Push button | # | # | 10 |
| Star Delta timer (230-400V) | 3RP1576-1NP208K | 2160.- | 1 |
| Star Delta timer (380-440V) | 3RP1576-1NM208K | 2160.- | 1 |

Spares for other starters

| Description | Type | Unit LP ₹ | Std. pkg. (nos.) |
|---|-------------------|-----------|------------------|
| Main, aux contacts & spare coils | Refer page no. 37 | - | - |
| On/Off actuators | ■ 3SX1552-1YA | 125.- | 1 |
| On/Off contact | ■ 3SX1551-1YA | 245.- | 1 |
| On/Off actuator for 3TE05 only | 3SB5201-7EC01 | 315.- | 1 |
| Electronic Timer | 3RP1576-1NM208K | 2160.- | 1 |
| Accessory for independent mounting of 3UA58 | 3UX1421-0XA | 545.- | 1 |

† Enter code for coil voltage F0 (110V), P0 (230V), R0 (415V)

For replacing 3TF44 order 3TF3422 and for replacing 3TF45 order 3TF3522

1NO + 1NC

@ 2NO + 2NC

Innovation Continues with range of communication capable Motor Starters!



ET200SP

3RA6
ET200S
M200D

MRP - Maximum Retail Price

LP - List Price

Electronic timers - 3RP



| Function | Time range | Input voltage | | Type | Unit LP ₹ | Std. pkg (nos.) |
|--|---|--------------------------|---------------------|--|--------------------|-----------------|
| | | AC (50/60Hz) | DC | | | |
| On-delay with 1C/O contacts | 0.5 – 10 sec | 24/100-127 24/200-240 | 24 24 | ■ 3RP1511-1AQ308K ■ 3RP1511-1AP308K | 1990.- | 1 1 |
| | 5 – 100 sec | 24/100-127 24/200-240 | 24 24 | ■ 3RP1513-1AQ308K ■ 3RP1513-1AP308K | 2000.- | 1 1 |
| | 0.05 sec to 100 Hrs. (15 time setting ranges) | 24/100-127 24/200-240 | 24 24 | ■ 3RP1525-1AQ308K ■ 3RP1525-1AP308K | 2930.- | 1 1 |
| | | 24 to 240 | 24 to 240 | ■ 3RP1525-1BW308K# | 3955.- | 1 |
| Off-delay with 1C/O contacts | 0.5 – 10 sec | 24/100-127 24/200-240 | 24 24 | ■ 3RP1531-1AQ308K ■ 3RP1531-1AP308K | 2640.- | 1 1 |
| | 5 – 100 sec | 24/100-127 24/200-240 | 24 24 | ■ 3RP1533-1AQ308K ■ 3RP1533-1AP308K | 2680.- | 1 1 |
| Multi-function with 1C/O contacts | 0.05 sec to 100 Hrs. (15 time setting ranges) | 24 - 240 | 24 - 240 | ■ 3RP1505-1AW308K | 4075.- | 1 |
| | Label set - 8 functions (On delay, Off delay, On+Off delay, flashing, pulse make contact, pulse break contact, pulse shaping and additive ON delay) | | | 3RP1901-0A8K* | 815.- ⁵ | 1 pack |
| Star-Delta 1NO inst & 1NO delayed | 1 – 20 sec | 200-240 / 380-440V AC | | 3RP1574-1NM208K | 2070.- | 1 |
| | 3 – 60 sec | 24/100-127 | 24 | ■ 3RP1576-1NQ308K | 2105.- | 1 |
| | | 24/200-240 | 24 | ■ 3RP1576-1NP308K | 2105.- | 1 |
| | | | 200-240/380-440V AC | | ■ 3RP1576-1NM208K | 2160.- |
| | | 230-400V AC | | ■ 3RP1576-1NP208K | 2160.- | 1 |
| Push-in lug (for mounting 3RP timer with screws) | | | | 3RP19038K (1 pack = 10 pcs) | 170.- ⁵ | 1 pack |

with 2C/O contacts \$ Price per pack * 1 pack consists of 1 label set

3RR2 Current monitoring relays

The relays can be installed as a stand-alone unit using the suitable terminal bracket.



Screw Terminals

| Size of relay / contactor | Set current value of the inverse-time delayed overload release A | Supply voltage | Type* | Unit LP ₹ | Std. pkg. (nos.) |
|---------------------------|--|-----------------|---------------|-----------|------------------|
| Basic Version | | | | | |
| S00 | 1.6...16 | 24V AC/DC | 3RR2141-1AA30 | 9975.- | 1 |
| | 1.6...16 | 24...240V AC/DC | 3RR2141-1AW30 | 11095.- | 1 |
| S0 | 4 ... 40 | 24V AC/DC | 3RR2142-1AA30 | 12600.- | 1 |
| | 4 ... 40 | 24...240V AC/DC | 3RR2142-1AW30 | 13650.- | 1 |

| Size of relay / contactor | Set current value of the inverse-time delayed overload release A | Supply voltage | Type* | Unit LP ₹ | Std. pkg. (nos.) |
|---------------------------|--|-----------------|---------------|-----------|------------------|
| Standard Version | | | | | |
| S00 | 1.6...16 | 24V AC/DC | 3RR2241-1FA30 | 20345.- | 1 |
| | 1.6...16 | 24...240V AC/DC | 3RR2241-1FW30 | 22195.- | 1 |
| S0 | 4 ... 40 | 24V AC/DC | 3RR2242-1FA30 | 24055.- | 1 |
| | 4 ... 40 | 24...240V AC/DC | 3RR2242-1FW30 | 25910.- | 1 |

For ordering terminal bracket for stand alone installation please refer page no. 43

*For ordering current monitoring relay 3RR with spring type terminals, please replace 8th digit from '1' to '2'

Line monitoring relays - 3UG

| Phase Sequence | Phase Failure | Phase Imbalance | Under Voltage | Over Voltage | Delay times | Display | Contacts | Line Supply Voltage | Type | Unit LP ₹ | Std. pkg. (nos.) |
|----------------|---------------|-----------------|---------------|--------------|--------------------|---------|----------|---------------------|---------------|-----------|------------------|
| Yes | Yes | 10% | - | - | - | - | 1 CO | 160-690V | 3UG4512-1AR20 | 9555.- | 1 |
| Yes | Yes | 20% | 160-690V | - | Off delay 0.1-20 s | - | 2 CO | 160-690V | 3UG4513-1BR20 | 12550.- | 1 |
| Yes | Yes | Yes | 160-690V | 160-690V | Off delay 0.1-20 s | Yes | 2 CO | 160-690V | 3UG4615-1CR20 | 18175.- | 1 |

3UG Monitoring Relays for Electrical and Additional Measurements

| Hysteresis | Function | Version of Auxiliary Contacts | Control supply voltage $U_s^{1)}$ | Type | Unit LP ₹ | Std. pkg. (nos.) |
|--|---|-------------------------------|-----------------------------------|---------------|-----------|------------------|
| | | CO | V AC | | | |
| -- | Phase Sequence Monitoring 3 Phase | 1 | 360...520 | 3UG4511-1AP20 | 9450.- | 1 |
| | | 2 | | 3UG4511-1BP20 | 10835.- | 1 |
| -- | Monitoring of phase sequence, phase failure and phase unbalance | 2 | 160...690 | 3UG4512-1BR20 | 12085.- | 1 |
| Adjustable 1-20V | Digital Monitoring Relay, phase sequence, phase & N conductor failure (90...400 w.r.t. N), overvoltage and undervoltage (Tripping delay 1-20) ²⁾ | 2 ²⁾ | 90...400 w.r.t. N | 3UG4616-1CR20 | 21510.- | 1 |
| p.f. 0.1 & active current I_{res} 0.1...2.0A | Digital Power factor and active current monitoring (p.f. range 0.1 to 0.99 & active current I_{res} 0.2-10A) ON-delay 0-99s, OFF-delay 0.1-20s) | 2 | 90...690 | 3UG4641-1CS20 | 21510.- | 1 |
| 0.1...150V | Digital Voltage Monitoring Relay range 17 to 275V AC/DC spikedelay 0.1 to 20 sec | 1 | Self Powered | 3UG4633-1AL30 | 16470.- | 1 |
| 0.1...300V | Digital Voltage Monitoring Relay range 10...600V AC/DC, Delay 0.1..20sec | 1 | 24...240V AC/DC | 3UG4632-1AW30 | 17260.- | 1 |
| -- | #Level Monitoring Relay sensitivity 2KΩ to 200KΩ. Tripping delay 0.1...10sec | 1 | 24...240V AC/DC | 3UG4501-1AW30 | 11680.- | 1 |
| -- | #Wire electrode for Level Monitoring Relay, 500 MM long, with teflon insulation | | | 3UG3207-3A | 11265.- | 1 |

1) Absolute limit values

2) 1 CO Contact each and 1 tripping delay time each for U_{min} and U_{max} .

3) LSB: Smallest adjustable value, transformer-dependent, $\leq 1\%$ of $I_{\Delta n}$.

Level monitoring relays must be orderd along with electrodes, for different level controls varity of electrodes are available, for more details refer IC10.

Thermistor motor protection relay - 3RN2

| Type of Thermistor | Reset | Contacts | Control Supply voltage | Type | Unit LP ₹ | Std. pkg. (nos.) |
|--------------------|-------|----------|------------------------|---------------|-----------|------------------|
| PTC type A | Auto | 1CO | 24V-240V AC/DC | 3RN2000-1AW30 | 5775.- | 1 |

Insulation monitoring relay -3UG

| Measuring Range U_e kΩ | Function | Rated control supply voltage U_s V | Type | Unit LP ₹ | Std. pkg. (nos.) |
|--------------------------|---|--|---------------|-----------|------------------|
| 1-110 | Insulation monitors for ungrounded AC networks | 24-240 AC/DC | 3UG4581-1AW30 | 25630.- | 1 |
| | | 0 ... 250 AC | 3UG4582-1AW30 | 32825.- | 1 |
| 1-110 | Insulation monitors for ungrounded DC & AC networks | 0 ... 400 AC, 0 ... 600 DC ¹⁾ | 3UG4583-1CW30 | 47250.- | 1 |
| | Voltage reducer modules | Extending the mains voltage range to max. 690 V AC and 1000 V DC | 3UG4983-1A | 43830.- | 1 |
| | Sealable, transparent covers | For 3UG45 81, 3UG45 82 | 3UG4981-0C | 1425.- | 1 |
| | | For 3UG45 83 | 3UG4983-0C | 1460.- | 1 |

1) With 3UG49 83-1A voltage reducer module suitable also for the insulation monitoring of IT networks up to 690 V AC and 1000 V DC.

Timing and Monitoring Relays



Features and Benefits

- Two sizes for the entire range 17.5mm & 35mm width
- The entire range is suitable for DIN rail mounting
- Variant with digital display
- Auto / Manual reset



| Relay | MLFB | Phase failure protection | Imbalance protection | Phase reversal protection | Under voltage protection | Over voltage protection | Under freq protection | Over freq protection | Other parameters |
|------------------------------|---------------------|--------------------------|----------------------|---------------------------|--------------------------|-------------------------|-----------------------|----------------------|---|
| Line monitoring relay | 7UG0 712 | ✓ | ✓ | ✓ | | | | | |
| | 7UG0 818 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Voltage Monitoring relay | 7UG0 753 | ✓ | | ✓ | ✓ | ✓ | | | |
| Current Monitoring relay | 7UG0 82 | ✓ | ✓ | | | | | | Under-current and over-current protection |
| | 7UG0 83 | ✓ | ✓ | | | | | | Under-current and over-current protection |
| Earth leakage relay | 7UG0 84 | | | | | | | | Earth leakage protection |
| Earth fault monitoring relay | 7UG0 86 | | | | | | | | Earth fault protection |
| Temperature controller (TC) | 7UG0 48 | | | | | | | | Monitors temperature, input sensor TC/RTD |
| Water level controller relay | 7UG08 85 NEW | | | | | | | | Monitors and controls liquid level (conductive) |
| Thermistor protection relay | 7UG08 81 NEW | | | | | | | | Sensor input: Positive coefficient thermistor (PTC) |
| Speed monitoring relay | 7UG05 83 NEW | | | | | | | | Over/under speed protection |

7UG0 monitoring relays

| Description | Type | Unit LP ₹ | Std. pkg. (nos.) | |
|--|---|--------------------------|------------------|---|
| Line monitoring relay | Self powered 3Ph-3W | 7UG0712-1AA20 | 1115.- | 1 |
| | Self powered 3Ph-3W, 3Ph-4W | 7UG0818-1CA20 | 2510.- | 1 |
| Voltage Monitoring relay | Self powered 3Ph-3W | 7UG0753-1AA20 | 1905.- | 1 |
| Current Monitoring relay | 110 V AC 1Ph-2W | 7UG0821-1AB20 | 3240.- | 1 |
| | 230 V AC 1Ph-2W | 7UG0822-1AD20 | 3085.- | 1 |
| | 110 V AC 1Ph-2W, 3Ph-3W, 3Ph-4W | 7UG0831-1AB20 | 3945.- | 1 |
| | 230 V AC 1Ph-2W, 3Ph-3W, 3Ph-4W | 7UG0832-1AD20 | 3750.- | 1 |
| Earth leakage relay | 110 V AC 1Ph-2W, 3Ph-3W, 3Ph-4W | 7UG0841-1CB20 | 4010.- | 1 |
| | 230 V AC 1Ph-2W, 3Ph-3W, 3Ph-4W | 7UG0842-1CD20 | 4050.- | 1 |
| CBCT for ELR | 35mm | 7UG09-96 | 1475.- | 1 |
| | 70mm | 7UG09-97 | 1715.- | 1 |
| | 120mm | 7UG09-99 | 2835.- | 1 |
| | 210mm | 7UG0 994* | 4960.- | 1 |
| | 310mm | 7UG0 995* | 7715.- | 1 |
| Earth Fault monitoring relay | 1 Ph-2W, 3Ph-3W, 3Ph-4W | 7UG0861-1BU20 | 4145.- | 1 |
| CBCT for EFR: 160 frame | Core Balance CT 160 frame, 3P | 7UG09910 | 1485.- | 1 |
| | Core Balance CT 160 frame, 4P | 7UG09911 | 1690.- | 1 |
| CBCT for EFR: 250 frame | Core Balance CT 250 frame, 3P | 7UG09912 | 1795.- | 1 |
| | Core Balance CT 250 frame, 4P | 7UG09913 | 2115.- | 1 |
| CBCT for EFR: 630 frame | Core Balance CT 630 frame, 3P | 7UG09914 | 2645.- | 1 |
| | Core Balance CT 630 frame, 4P | 7UG09915 | 2855.- | 1 |
| Automatic Power factor correction relay (APFC relay) | 8 Stage with LCD display | 7UG0571-1FT20 | 14375.- | 1 |
| | 12 Stage with LCD display | 7UG0572-1GT20 | 15165.- | 1 |
| | 12 stage with LED display | 7UG0572-1GT21 | 9545.- | 1 |
| Temperature controlling relay | PID/ON-OFF Control suitable for PTC/RTD inputs CO + SSR output | 7UG0 480-1IU20 | 3150.- | 1 |
| Water level controller relay | 110-240V AC/DC Single tank (suction or filling) or dual tank (suction and filling) monitoring | 7UG0885-1JU20 NEW | 1545.- | 1 |
| Sensor for water level controller relay | Pack of 3 sensor | 7UG0985-0YY00 NEW | 485.- | 1 |
| Thermistor protection relay | 110-240V AC/DC | 7UG0881-1BU20 NEW | 1820.- | 1 |
| Speed monitoring relay | 110-240V AC/DC | 7UG0583-1CU20 NEW | 5720.- | 1 |

7PV0 timers

| Description | Type | Unit LP ₹ | Std. pkg. (nos.) | |
|--|---------------------------------------|---------------|------------------|---|
| ON delay timer | 230V AC | 7PV0712-1AD20 | 1155.- | 1 |
| Multifunction timer with digital display | 20-240V AC/DC 15 functions | 7PV0732-1AV20 | 2225.- | 1 |
| Multifunction timer - analog | 20-240V AC / 12--240V DC 10 functions | 7PV0723-1AZ20 | 1515.- | 1 |

Note: * Non RoHS and CE

Plug-in-relay - 7RQ



Features and Benefits

- LED status indicator as a standard feature - allows personnel to see the relay status in dark conditions
- Mechanical indicators - allow personnel to see relay status under normal light or bright conditions
- Easy grip cover - adds to the ease of removing the relay from the socket
- Removable I.D. (identification) label- allows for easy identification
- Wide operating voltage range
- DIN rail / PCB mounting – Quick & Easy Installation



| Relay | Standard Features | Control supply voltage* (V) | Type | Unit LP ₹ | Std. pkg. (nos.) | |
|--|-------------------|---|------|---------------|------------------|----------|
| 1CO | | | | | | |
|  | 6A 5 pin | • Mechanical Flag • LED indicator • Free wheeling diode | DC | 24 | 7RQ0100-0AC00 | 215.- 10 |
| | | | | 48 | 7RQ0100-0AD00 | 295.- 10 |
| | | | | 110 | 7RQ0100-0AE00 | 415.- 10 |
| | | • Mechanical Flag • LED indicator | AC | 24 | 7RQ0100-0AM10 | 265.- 10 |
| | | | | 48 | 7RQ0100-0AN10 | 415.- 10 |
| | | | | 110 | 7RQ0100-0AP10 | 430.- 10 |
| | | | 230 | 7RQ0100-0AR10 | 460.- 10 | |
| 2CO | | | | | | |
|  | 6A 8 pin | • Mechanical Flag • LED indicator • Free wheeling diode | DC | 24 | 7RQ0100-0BC00 | 325.- 10 |
| | | | | 48 | 7RQ0100-0BD00 | 410.- 10 |
| | | | | 110 | 7RQ0100-0BE00 | 435.- 10 |
| | | • Mechanical Flag • LED indicator | AC | 24 | 7RQ0100-0BM10 | 395.- 10 |
| | | | | 48 | 7RQ0100-0BN10 | 435.- 10 |
| | | | | 110 | 7RQ0100-0BP10 | 445.- 10 |
| | | | 230 | 7RQ0100-0BR10 | 470.- 10 | |
| 2CO | | | | | | |
|  | 10A 8 pin | • LED indicator | DC | 24 | 7RQ0110-0BC00 | 435.- 10 |
| | | | | 48 | 7RQ0110-0BD00 | 490.- 10 |
| | | | | 110 | 7RQ0110-0BE00 | 550.- 10 |
| | | • LED indicator | AC | 24 | 7RQ0110-0BM00 | 500.- 10 |
| | | | | 48 | 7RQ0110-0BN00 | 560.- 10 |
| | | | | 110 | 7RQ0110-0BP00 | 550.- 10 |
| | | | 230 | 7RQ0110-0BR00 | 610.- 10 | |
| 3CO | | | | | | |
|  | 10A 11 pin | • LED indicator | DC | 24 | 7RQ0100-0CC00 | 530.- 10 |
| | | | | 48 | 7RQ0100-0CD00 | 560.- 10 |
| | | | | 110 | 7RQ0100-0CE00 | 650.- 10 |
| | | • LED indicator | AC | 24 | 7RQ0100-0CM00 | 560.- 10 |
| | | | | 48 | 7RQ0100-0CN00 | 595.- 10 |
| | | | | 110 | 7RQ0100-0CP00 | 645.- 10 |
| | | | 230 | 7RQ0100-0CR00 | 650.- 10 | |
| 4CO | | | | | | |
|  | 5A 14 pin | • LED indicator | DC | 24 | 7RQ0100-0DC00 | 460.- 10 |
| | | | | 48 | 7RQ0100-0DD00 | 485.- 10 |
| | | | | 110 | 7RQ0100-0DE00 | 590.- 10 |
| | | • LED indicator | AC | 24 | 7RQ0100-0DM00 | 490.- 10 |
| | | | | 48 | 7RQ0100-0DN00 | 525.- 10 |
| | | | | 110 | 7RQ0100-0DP00 | 595.- 10 |
| | | | 230 | 7RQ0100-0DR00 | 630.- 10 | |

* Control supply voltage available upon request: 6V & 12V in AC / DC
115 V AC

| Socket | Standard Features | Type | Unit LP ₹ | Std. pkg. (nos.) |
|--|-------------------|---------------|-----------|------------------|
| 1CO | | | | |
| 10A  | PCB mounted | 7RQ0202-1AX00 | 70.- | 10 |
|  | Din rail mounting | 7RQ0201-1AX00 | 130.- | 10 |
| 2CO | | | | |
| 6A  | PCB mounted | 7RQ0202-1BX00 | 80.- | 10 |
|  | Din rail mounting | 7RQ0201-1BX00 | 200.- | 10 |
| 2CO | | | | |
| 10A  | PCB mounted | 7RQ0212-1BX00 | 95.- | 10 |
|  | Din rail mounting | 7RQ0211-1BX00 | 225.- | 10 |
| 3CO | | | | |
| 10A  | Din rail mounting | 7RQ0201-1CX00 | 330.- | 10 |
| 4CO | | | | |
| 7A  | PCB mounted | 7RQ0202-1DX00 | 130.- | 10 |
|  | Din rail mounting | 7RQ0201-1DX00 | 235.- | 10 |

A close-up photograph of a Siemens SIRIUS ACT terminal block. The device is white and features several black buttons with white symbols: a vertical bar, a horizontal bar, and a circle. A red terminal cap is visible on the left, and a white terminal cap is on the right. The entire device is covered in water droplets, suggesting a rugged, industrial environment. The Siemens logo is embossed on the bottom left of the device.

SIEMENS

Ingenuity for life

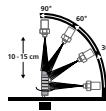
SIRIUS ACT – Performance in Action

- **Modern Design** - Elegant product design and high-quality material – as a distinguishing system design feature
- **Easy to Use** - From configuration to installation, SIRIUS ACT takes the concept of sophistication in simplicity to the next level
- **Extremely Rugged** - Reliable. Especially when things get rough. IP69K is our new standard.
- **Flexible Communication** - Whether standard wiring or direct connection to the controller – SIRIUS ACT offers flexibility via AS-i, IO-Link and Profinet.

www.siemens.com/SIRIUS-Act

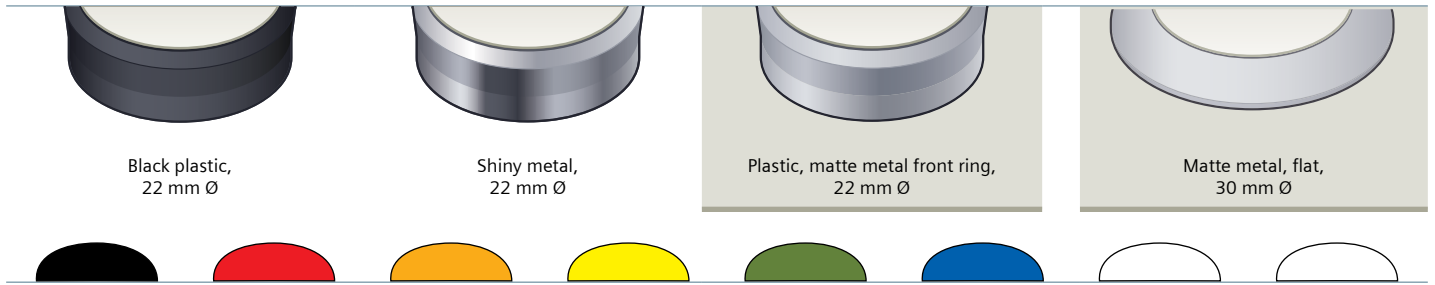
An overview of the variety

Body design lines and button colors



SIRIUS ACT products with standard IP69k.

IP69k is the highest achievable rating and guarantees totally protection against dust, as well as high pressure, high temperature jets of water from multiple directions.



Push buttons

| | | | | |
|---------------------------------|--|-------------------------------|---|---------------|
| | | | | |
| Push button mom. cont./latching | Push button raised | Push button raised front ring | Push button extended stroke | Sensor switch |
| | | | | |
| Stop button | Mushroom push button, mom. contact/latching, pull to unlatch | Twin push button | Mushroom push button, mom. contact/latching | |

Emergency stop

| | |
|--|--|
| | |
| Mushroom push button w. mech. position indicator | Mushroom push button, rot. to unl. 30, 40, 60 mm |
| | |
| Mushroom push button, illuminated | Mushroom push button, with lock release key |

Selector switches

| | | | | | |
|--------------------------|---------------|---------------|------------------------|-----------------------|-------------------|
| | | | | | |
| Rotary knob, 4 positions | Potentiometer | Toggle switch | Selector, short handle | Selector, long handle | Coordinate switch |

Key-operated switches

| | | | |
|------------------------|----------------|--------|-------|
| | | | |
| ID key-operated switch | CES, BKS, IKON | O.M.R. | RONIS |

Indicators

| | |
|---------------------------|---------------------------|
| | |
| Indicator light, dual LED | Acoustic signaling device |

Accessories

| | | | |
|-------------------|--------------|---------------|----------------|
| | | | |
| Protective collar | Label holder | PCB holder | Protective cap |
| | | | |
| Locking device | Sealing plug | Backing plate | |

Enclosures

| | |
|------------------|--|
| | |
| Palm push button | Enclosure 1, 2, 3, 4, 6 command points |

New products in the range

A small selection of high demand models

NEW

| Description | Plastic | | | Metal Matte | | | Metal | | | Colour |
|--|---|-----------|--|-------------|---|-----------|---|-----------|--|--------|
| | Type | Unit LP ₹ | | Type | Unit LP ₹ | | Type | Unit LP ₹ | | |
| Pushbutton, 22 mm, round, flat momentary contact type |  3SU1000-0AB_0-0AA0 ↑ Colour | 465.- |  3SU1030-0AB_0-0AA0 ↑ Colour | 535.- |  3SU1050-0AB_0-0AA0 ↑ Colour | 600.- | 1 ● Black 2 ● Red 3 ● Yellow 4 ● Green 5 ● Blue 6 ○ White 7 ○ Clear 8 ○ Gray | | | |
| Illuminated pushbutton, 22 mm, round, flat momentary contact type |  3SU1001-0AB_0-0AA0 ↑ Colour | 640.- |  3SU1031-0AB_0-0AA0 ↑ Colour | 685.- |  3SU1051-0AB_0-0AA0 ↑ Colour | 725.- | 0 ● Amber 2 ● Red 3 ● Yellow 4 ● Green 5 ● Blue 6 ○ White 7 ○ Clear | | | |
| Selector switch, 2 Position, illuminable, 22 mm, round, plastic, O-I, latching, actuating angle 90°, 10:30h/13:30h |  3SU1002-2BF_0-0AA0 ↑ Colour | 1000.- |  3SU1032-2BF_0-0AA0 ↑ Colour | 1060.- |  3SU1052-2BF_0-0AA0 ↑ Colour | 1115.- | 1 ● Black 2 ● Red 3 ● Yellow 4 ● Green 5 ● Blue 6 ○ White | | | |
| Selector switch, 3 position, illuminable, 22 mm, round switch positions I-O-II, latching, actuating angle 2x45°, 10:30h/12h/13:30h |  3SU1002-2BL_0-0AA0 ↑ Colour | 1000.- |  3SU1032-2BL_0-0AA0 ↑ Colour | 1060.- |  3SU1052-2BL_0-0AA0 ↑ Colour | 1115.- | 1 ● Black 2 ● Red 3 ● Yellow 4 ● Green 5 ● Blue 6 ○ White | | | |
| RONIS key-operated switch, 2 switch positions O-I, latching, actuating angle 90° |  3SU1000-4BF01-0AA0 | 2450.- |  3SU1030-4BF01-0AA0 | 2540.- |  3SU1050-4BF01-0AA0 | 2660.- | | | | |
| RONIS key-operated switch, 3 switch positions I-O-II, latching, actuating angle 2x45° |  3SU1000-4BL01-0AA0 | 2585.- |  3SU1030-4BL01-0AA0 | 2700.- |  3SU1050-4BL01-0AA0 | 2805.- | | | | |
| EMERGENCY STOP mushroom pushbutton, 22 mm, round, red, 40 mm, positive latching, rotate-to-unlatch |  3SU1000-1HB20-0AA0 | 1950.- | | |  3SU1050-1HB20-0AA0 | 2140.- | | | | |
| EMERGENCY STOP mushroom pushbutton, illuminable, 22 mm, round, red, 40 mm, positive latching, rotate-to-unlatch |  3SU1001-1HB20-0AA0 | 2040.- | | |  3SU1051-1HB20-0AA0 | 2375.- | | | | |
| Twin pushbutton, 22 mm, round, green: I, red: O, pushbuttons, flat and raised |  3SU1000-3BB42-0AK0 | 1040.- |  3SU1030-3BB42-0AK0 | 1150.- |  3SU1050-3BB42-0AK0 | 1265.- | | | | |
| Indicator lights, 22 mm, round, lens, smooth |  3SU1001-6AA_0-0AA0 ↑ Colour | 375.- | | |  3SU1051-6AA_0-0AA0 ↑ Colour | 435.- | 0 ● Amber 2 ● Red 3 ● Yellow 4 ● Green 5 ● Blue 6 ○ White 7 ○ Clear | | | |
| ⊕ (Description) | Type | Unit LP ₹ | | | Type | Unit LP ₹ | | | | |
| Holder Holder needs to be selected along with individual Actuating and Signalling Elements |  3SU1500-0AA10-0AA0 | 185.- | | |  3SU1550-0AA10-0AA0 | 205.- | | | | |

| Description | Type | Unit LP ₹ |
|-------------|--------------------|-----------|
| 1NO | 3SU1400-1AA10-1BA0 | 470.- |
| 1NC | 3SU1400-1AA10-1CA0 | 470.- |
| 1NO+1NC | 3SU1400-1AA10-1FA0 | 780.- |
| 2NO | 3SU1400-1AA10-1DA0 | 1075.- |
| 2NC | 3SU1400-1AA10-1EA0 | 1075.- |

| Description | Type | Unit LP ₹ | Colour |
|-------------------|-----------------------------------|-----------|-----------------------|
| 24V AC/DC | 3SU1401-1BB_0-1AA0 | 725.- | 0 ● Amber |
| 110V AC | 3SU1401-1BC_0-1AA0 | 1290.- | 2 ● Red |
| 230V AC | 3SU1401-1BF_0-1AA0 | 1290.- | 3 ● Yellow |
| 6 ... 24 V AC/DC | 3SU1401-1BG_0-1AA0 | 875.- | 4 ● Green |
| 24 ... 240V AC/DC | 3SU1401-1BH_0-1AA0 ↑ Colour | 1560.- | 5 ● Blue 6 ○ White |














SIRIUS ACT
 Innovative Technology...
 Simple Installations...

NEW

SIRIUS ACT with PROFINET

SIRIUS ACT with PROFINET connects pushbuttons and indicator lights directly via PROFINET to the controller and HMI devices – including with safety functions

| Description | | Type | Unit LP ₹ | | | | |
|---|---|---|--|--|---|---|---|
| Push Button and Signalling Devices | | | | | | | |
| Multiple version available | | 3SU10_ _ - _ _ _ - _ _ _ _ | Refer Pg 72 | | | | |
| Holder Holder needs to be selected along with individual Actuating and Signalling Elements | Plastic | 3SU1500-0AA10-0AA0 | 185.- | | | | |
| | Metal | 3SU1550-0AA10-0AA0 | 205.- | | | | |
| Profinet Interface Modules | | | | | | | |
| Standard IM, 24 V DC 1 ... 20 terminal modules can be connected |  | 3SU1400-1LK10-1AA1 | 22245.- | | | | |
| | | Fail Safe IM F, 24 V DC 1 ... 20 terminal modules can be connected | 3SU1400-1LL10-1BA1 | 34755.- | | | |
| Profinet Terminal Modules | | | | | | | |
| | | | | 2 Contacts | 2 Contacts with LED | LED | Colour |
| With 2 contacts | | 3SU1400-1MA10-1BA1 | 3550.- |  |  |  | 0  Amber |
| With 2 contacts and integrated LED | 3SU1401-1MC_0-1CA1 ↑ Colour | 3710.- | 2  Red | | | | |
| | | | 3  Yellow | | | | |
| With integrated LED | 3SU1401-1ME_0-1DA1 ↑ Colour | 3430.- | 4  Green | | | | |
| | | | 5  Blue | | | | |
| | | | 6  White | | | | |
| Accessories | | | | | | | |
| Flat Ribbon Cable, 7-core |  | 3SU1900-0KQ80-0AA0 | 460.- | | | | |

Modern Access Management

ID Key Operated Switches - Groups of employees or individuals can be authenticated by means of the ID key-operated switch. Color-coded keys for easy distinction between users.

| Description | | Type | Unit LP ₹ |
|---|--------------------------------------|--------------------|--------------|
| ID Key operated switches | | | |
| ID key-operated switches Number of switching positions: 4 Switch position for key removal: Key removal possible in all 4 positions | Plastic, black | 3SU1000-4WS10-0AA0 | 5260.- |
| | Plastic with metal front ring, matte | 3SU1030-4WS10-0AA0 | 5420.- |
| Holder Holder needs to be selected along with individual Actuating and Signalling Elements | Plastic | 3SU1500-0AA10-0AA0 | 185.- |

| Description | | Type | Unit LP ₹ |
|---|---|--------------------|--------------|
| Electronic Modules | | | |
| Electronic modules for ID key-operated switches |  | 3SU1400-1GC10-1AA0 | 15200.- |
| ID Keys | | | |
| Green: ID Group 1 |  | 3SU1900-0FV40-0AA0 | 905.- |
| Yellow: ID Group 2 |  | 3SU1900-0FW30-0AA0 | |
| Red: ID Group 3 |  | 3SU1900-0FX20-0AA0 | |
| Blue: ID Group 4 |  | 3SU1900-0FY50-0AA0 | |

SIEMENS

Ingenuity for life



Industrial Controls

8WN Signaling Columns

8WN - 70mm Modular unit IP 65

Continuous light

| Type | Color | Voltage | Unit LP* ₹ | Std. pkg. (nos.) |
|---------------|--------|-------------|---------------|---------------------|
| 8WN4420-5AB00 | Red | 24 V AC/DC | 2170.- | 1 |
| 8WN4420-5AC00 | Green | | | 1 |
| 8WN4420-5AD00 | Yellow | | | 1 |
| 8WN4420-5AE00 | White | | | 1 |
| 8WN4420-5AF00 | Blue | | | 1 |
| 8WN4440-5AB00 | Red | 110 V AC/DC | 2005.- | 1 |
| 8WN4440-5AC00 | Green | | | 1 |
| 8WN4440-5AD00 | Yellow | | | 1 |
| 8WN4440-5AE00 | White | | | 1 |
| 8WN4440-5AF00 | Blue | | | 1 |
| 8WN4450-5AB00 | Red | 220 V AC | 2005.- | 1 |
| 8WN4450-5AC00 | Green | | | 1 |
| 8WN4450-5AD00 | Yellow | | | 1 |
| 8WN4450-5AE00 | White | | | 1 |
| 8WN4450-5AF00 | Blue | | | 1 |

Blinking light

| Type | Color | Voltage | Unit LP* ₹ | Std. pkg. (nos.) |
|---------------|--------|-------------|---------------|---------------------|
| 8WN4420-5BB00 | Red | 24 V AC/DC | 2355.- | 1 |
| 8WN4420-5BC00 | Green | | | 1 |
| 8WN4420-5BD00 | Yellow | | | 1 |
| 8WN4420-5BE00 | White | | | 1 |
| 8WN4420-5BF00 | Blue | | | 1 |
| 8WN4440-5BB00 | Red | 110 V AC/DC | 2355.- | 1 |
| 8WN4440-5BC00 | Green | | | 1 |
| 8WN4440-5BD00 | Yellow | | | 1 |
| 8WN4440-5BE00 | White | | | 1 |
| 8WN4440-5BF00 | Blue | | | 1 |
| 8WN4450-5BB00 | Red | 220 V AC | 2355.- | 1 |
| 8WN4450-5BC00 | Green | | | 1 |
| 8WN4450-5BD00 | Yellow | | | 1 |
| 8WN4450-5BE00 | White | | | 1 |
| 8WN4450-5BF00 | Blue | | | 1 |

Accessories for 70mm LED modular unit

| Type | Description | Unit LP* ₹ | Std. pkg. (nos.) |
|---------------|--|---------------|---------------------|
| 8WN4408-0AF00 | Connection components, Screw terminals | 670.- | 1 |
| 8WN4408-0AG00 | Caps for light elements | 65.- | 1 |
| 8WN4408-0DH00 | Feet with pipes, single; Length 60mm | 115.- | 1 |
| 8WN4408-0DJ00 | Feet with pipes, single; Length 80mm | 140.- | 1 |
| 8WN4408-0DA00 | Feet with pipes, single; Length 110mm | 150.- | 1 |
| 8WN4408-0CC00 | Brackets for side mounting, use together with foot with pipe | 140.- | 1 |

| Type | Description | Unit LP* ₹ | Std. pkg. (nos.) |
|---------------|-----------------------------------|---------------|---------------------|
| 8WN4408-0CF00 | Brackets for side mounting, | 530.- | 1 |
| 8WN4408-0CG00 | Fold-out support | 255.- | 1 |
| 8WN4420-0GA00 | 24 V AC/DC, continuous buzzer | 1565.- | 1 |
| 8WN4420-0HA00 | 24 V AC/DC, discontinuous buzzer | 1830.- | 1 |
| 8WN4440-0GA00 | 110 V AC/DC, continuous buzzer | 1565.- | 1 |
| 8WN4440-0HA00 | 110 V AC/DC, discontinuous buzzer | 1830.- | 1 |
| 8WN4450-0GA00 | 220 V AC, continuous buzzer | 1565.- | 1 |
| 8WN4450-0HA00 | 220 V AC, discontinuous buzzer | 1830.- | 1 |

8WN - 50mm Preassembled unit IP 20

Continuous light without buzzer

| Type | Color | Voltage | Unit LP* ₹ | Std. pkg. (nos.) |
|---------------|-------|-------------|---------------|---------------------|
| 8WN2221-6AB00 | R | 24V AC/DC | 2005.- | 1 |
| 8WN2222-6AG00 | R, G | | 2885.- | 1 |
| 8WN2223-6AJ00 | R,Y,G | | 3750.- | 1 |
| 8WN2241-6AB00 | R | 110 V AC/DC | 2005.- | 1 |
| 8WN2242-6AG00 | R, G | | 2885.- | 1 |
| 8WN2243-6AJ00 | R,Y,G | | 3750.- | 1 |
| 8WN2251-6AB00 | R | 220 V AC | 2005.- | 1 |
| 8WN2252-6AG00 | R, G | | 2885.- | 1 |
| 8WN2253-6AJ00 | R,Y,G | | 3750.- | 1 |

Continuous light with continuous buzzer

| Type | Color | Voltage | Unit LP* ₹ | Std. pkg. (nos.) |
|---------------|-------|-------------|---------------|---------------------|
| 8WN2222-6JB00 | R | 24V AC/DC | 2355.- | 1 |
| 8WN2223-6JG00 | R, G | | 3230.- | 1 |
| 8WN2224-6JJ00 | R,Y,G | | 4100.- | 1 |
| 8WN2242-6JB00 | R | 110 V AC/DC | 2355.- | 1 |
| 8WN2243-6JG00 | R, G | | 3230.- | 1 |
| 8WN2244-6JJ00 | R,Y,G | | 4100.- | 1 |
| 8WN2252-6JB00 | R | 220 V AC | 2355.- | 1 |
| 8WN2253-6JG00 | R, G | | 3230.- | 1 |
| 8WN2254-6JJ00 | R,Y,G | | 4100.- | 1 |

Blinking light without buzzer

| Type | Color | Voltage | Unit LP* ₹ | Std. pkg. (nos.) |
|---------------|-------|-----------|---------------|---------------------|
| 8WN2221-6BB00 | R | 24V AC/DC | 2355.- | 1 |
| 8WN2222-6BG00 | R, G | | 3230.- | 1 |
| 8WN2223-6BJ00 | R,Y,G | | 4100.- | 1 |

Blinking light with continuous buzzer

| Type | Color | Voltage | Unit LP* ₹ | Std. pkg. (nos.) |
|---------------|-------|-----------|---------------|---------------------|
| 8WN2222-6MB00 | R | 24V AC/DC | 2620.- | 1 |
| 8WN2223-6MG00 | R, G | | 3485.- | 1 |
| 8WN2224-6MJ00 | R,Y,G | | 4360.- | 1 |

Continuous light with discontinuous buzzer





| Type | Color | Voltage | Unit LP* ₹ | Std. pkg. (nos.) |
|---------------|-------|-------------|---------------|---------------------|
| 8WN2222-6KB00 | R | 24V AC/DC | 2620.- | 1 |
| 8WN2223-6KG00 | R, G | | 3485.- | 1 |
| 8WN2224-6KJ00 | R,Y,G | | 4360.- | 1 |
| 8WN2242-6KB00 | R | 110 V AC/DC | 2620.- | 1 |
| 8WN2243-6KG00 | R, G | | 3485.- | 1 |
| 8WN2244-6KJ00 | R,Y,G | | 4360.- | 1 |
| 8WN2252-6KB00 | R | 220 V AC | 2620.- | 1 |
| 8WN2253-6KG00 | R, G | | 3485.- | 1 |
| 8WN2254-6KJ00 | R,Y,G | | 4360.- | 1 |

Blinking light with discontinuous buzzer


| Type | Color | Voltage | Unit LP* ₹ | Std. pkg. (nos.) |
|---------------|-------|-----------|---------------|---------------------|
| 8WN2222-6NB00 | R | 24V AC/DC | 2885.- | 1 |
| 8WN2223-6NG00 | R, G | | 3750.- | 1 |
| 8WN2224-6NJ00 | R,Y,G | | 4620.- | 1 |

Indicating Lamps 3SB5


Compact LED indicating lamps

| | Voltage | Colour | Type | Unit LP ₹ | Std Pkg (nos.) | | |
|--|--------------------------|--|-----------------|-----------|-----------------|-------|----|
|  | 24 V AC/DC 50/60 Hz | Red | ■ 3SB5285-6HC01 | 260.- | 10 | | |
| | | Green | ■ 3SB5285-6HE01 | | 10 | | |
| | | Amber | ■ 3SB5285-6HL01 | | 10 | | |
| | |  | 30V DC ® | Blue | ■ 3SB5285-6HF01 | 655.- | 10 |
| | | | | White | 3SB5285-6HG01 | | 10 |
| | | | | Yellow | 3SB5285-6HD01 | 260.- | 10 |
| | | | | Clear | 3SB5285-6HH01 | | 10 |
| Red | 3SB5285-6HC13 | | | 280.- | 10 | | |
| Green | 3SB5285-6HE13 | | | | 10 | | |
| Amber | 3SB5285-6HL13 | | | | 10 | | |
|  | 110 V AC 50/60 Hz | Blue | 3SB5285-6HF13 | 740.- | 10 | | |
| | | White | 3SB5285-6HG13 | | 10 | | |
| | | Yellow | 3SB5285-6HD13 | 280.- | 10 | | |
| | | Clear | 3SB5285-6HH13 | | 10 | | |
| | | Red | ■ 3SB5285-6HC02 | 260.- | 10 | | |
| | | Green | ■ 3SB5285-6HE02 | | 10 | | |
| | | Amber | ■ 3SB5285-6HL02 | | 10 | | |
|  | 110 V DC ® | Blue | ■ 3SB5285-6HF02 | 655.- | 10 | | |
| | | White | 3SB5285-6HG02 | | 10 | | |
| | | Yellow | 3SB5285-6HD02 | 260.- | 10 | | |
| | | Clear | 3SB5285-6HH02 | | 10 | | |
| | | Red | ■ 3SB5285-6HC04 | 280.- | 10 | | |
| | | Green | ■ 3SB5285-6HE04 | | 10 | | |
| | | Amber | ■ 3SB5285-6HL04 | | 10 | | |
|  | 220/240 V AC 50/60 Hz | Blue | ■ 3SB5285-6HF04 | 730.- | 10 | | |
| | | White | 3SB5285-6HG04 | | 10 | | |
| | | Yellow | 3SB5285-6HD04 | 280.- | 10 | | |
| | | Clear | 3SB5285-6HH04 | | 10 | | |
| | | Red | ■ 3SB5285-6HC03 | 260.- | 10 | | |
| | | Green | ■ 3SB5285-6HE03 | | 10 | | |
| | | Amber | ■ 3SB5285-6HL03 | | 10 | | |
|  | 220 V DC ® | Blue | ■ 3SB5285-6HF03 | 655.- | 10 | | |
| | | White | 3SB5285-6HG03 | | 10 | | |
| | | Yellow | 3SB5285-6HD03 | 260.- | 10 | | |
| | | Clear | 3SB5285-6HH03 | | 10 | | |
| | | Red | ■ 3SB5285-6HC05 | 280.- | 10 | | |
| | | Green | ■ 3SB5285-6HE05 | | 10 | | |
| | | Amber | ■ 3SB5285-6HL05 | | 10 | | |
| | | | | 730.- | 10 | | |
| | | | | 280.- | 10 | | |
| | | | | 280.- | 10 | | |


Wide band compact LED indicating lamps

| | Voltage | Colour | Type | Unit LP ₹ | Std Pkg (nos.) | | |
|--|---|--------|-----------------|-----------|-----------------|-------|----|
|  | 42 to 240 V AC & 42 to 220 V DC | Red | ■ 3SB5235-6HC14 | 410.- | 10 | | |
| | | Green | ■ 3SB5235-6HE14 | | 10 | | |
| | | Amber | ■ 3SB5235-6HL14 | | 10 | | |
| | | | | Blue | ■ 3SB5235-6HF14 | 710.- | 10 |
| | | | | White | 3SB5235-6HG14 | 410.- | 10 |
| | | | | Yellow | 3SB5235-6HD14 | 550.- | 10 |
| | | | | Clear | 3SB5235-6HH14 | | 10 |


Modular Indicating Lamps (with plastic front ring) Lens Assembly

| | Colour | Type | Unit LP ₹ | Std Pkg (nos.) |
|--|--------|-----------------|-----------|----------------|
|  | Red | ■ 3SB5201-6BC00 | 85.- | 10 |
| | Green | ■ 3SB5201-6BE00 | | 10 |
| | Amber | ■ 3SB5201-6BL00 | | 10 |
| | Blue | ■ 3SB5201-6BF00 | | 10 |
| | White | 3SB5201-6BG00 | | 10 |
| | Yellow | 3SB5201-6BD00 | | 10 |
| | Clear | 3SB5201-6BH00 | | 10 |


Illumination Module \$ - (suitable for INTEGRATED LED lamp)

| | Voltage | Colour | Type | Unit LP ₹ | Std Pkg (nos.) | | | |
|---|------------------------|----------------------|---------------|---------------|----------------|---------------|-------|----|
|  | 24 V AC/DC 50/60 Hz | Red | ■ 3SB5400-7CC | 215.- | 10 | | | |
| | | Green | ■ 3SB5400-7CE | | | | | |
| | | Amber | ■ 3SB5400-7CL | | | | | |
| | | Blue | ■ 3SB5400-7CF | | | | | |
| | | White† | 3SB5400-7CG | | | | | |
| | | Yellow | 3SB5400-7CD | | | | | |
| | | 110 V AC 50/60 Hz | Red | | | ■ 3SB5400-7EC | 215.- | 10 |
| | | | Green | | | ■ 3SB5400-7EE | | |
| | | | Amber | | | ■ 3SB5400-7EL | | |
| | | | Blue | | | ■ 3SB5400-7EF | | |
| | White† | | 3SB5400-7EG | | | | | |
| | Yellow | | 3SB5400-7ED | | | | | |
| | 110 V DC® | | Red | ■ 3SB5400-7DC | 215.- | 10 | | |
| | | | Green | ■ 3SB5400-7DE | | | | |
| | | | Amber | ■ 3SB5400-7DL | | | | |
| | | | Blue | ■ 3SB5400-7DF | | | | |
| | | White† | 3SB5400-7DG | | | | | |
| | | Yellow | 3SB5400-7DD | | | | | |
| | | 230 V AC 50/60 Hz | Red | ■ 3SB5400-7TC | | | 215.- | 10 |
| | | | Green | ■ 3SB5400-7TE | | | | |
| | | | Amber | ■ 3SB5400-7TL | | | | |
| | | | Blue | ■ 3SB5400-7TF | | | | |
| | White† | | 3SB5400-7TG | | | | | |
| | Yellow | | 3SB5400-7TD | | | | | |
| | 220 V DC® | | Red | ■ 3SB5400-7HC | 215.- | 10 | | |
| | | | Green | ■ 3SB5400-7HE | | | | |
| | | | Amber | ■ 3SB5400-7HL | | | | |
| | | | Blue | ■ 3SB5400-7HF | | | | |
| | | White† | 3SB5400-7HG | | | | | |
| | | Yellow | 3SB5400-7HD | | | | | |

Illumination Module \$ - (suitable for BA9s LED lamp)

| | Voltage | Colour | Type | Unit LP ₹ | Std Pkg (nos.) |
|---|----------------------|--------|-------------|-----------|----------------|
|  | 24 V AC/DC | Red | 3SB5400-8CC | 365.- | 10 |
| | | Green | 3SB5400-8CE | | 10 |
| | | Blue | 3SB5400-8CF | | 10 |
| | | Yellow | 3SB5400-8CD | | 10 |
| | | | | | |
| | 110 V AC/DC | Red | 3SB5400-8FC | 450.- | 10 |
| | | Green | 3SB5400-8FE | | 10 |
| | | Blue | 3SB5400-8FF | | 10 |
| | | Yellow | 3SB5400-8FD | | 10 |
| | | | | | |
| | 240 V AC 50/60 Hz | Red | 3SB5400-8SC | 545.- | 10 |
| | | Green | 3SB5400-8SE | | 10 |
| | | Blue | 3SB5400-8SF | | 10 |
| | | Yellow | 3SB5400-8SD | | 10 |
| | | | | | |

Illumination Module \$ - (suitable for BA9s FILAMENT lamp)

| | Voltage | Type | Unit LP ₹ | Std Pkg (nos.) |
|---|--------------------------|---------------|-----------|----------------|
|  | 24 V AC/DC (24 V lamp) | ■ 3SB5400-6CC | 120.- | 10 |
| | 110 V AC/DC (130 V lamp) | ■ 3SB5400-6FH | | 10 |
| | 230V AC/DC (130 V lamp) | ■ 3SB5400-6LH | | 10 |

@ Use of bridge rectified DC source (filtered O/P) recommended
 † Can be used with clear lens.
 \$ Illumination module can be used with lens assembly, illuminated push buttons & illuminated selector actuators.
 ■ Stock items

Push buttons


Modular Push button actuators (with plastic front ring)

| Description | Colour | Type | Unit LP ₹ | Std Pkg (nos.) |
|--|--------|----------------------------|-----------|----------------|
| Opaque actuator (with holder for contact block) | | | | |
|  | Normal | Red ■ 3SB5000-0AC01 | 75.- | 10 |
| | | Green ■ 3SB5000-0AE01 | | |
| | | Blue ■ 3SB5000-0AF01 | | |
| | | White ■ 3SB5000-0AG01 | | |
| | | Yellow ■ 3SB5000-0AD01 | | |
|  | Raised | Black ■ 3SB5000-0AB01 | 85.- | 10 |
| | | Red ■ 3SB5000-0LC01 | | |
| | | Green ■ 3SB5000-0LE01 | | |
| | | Blue ■ 3SB5000-0LF01 | | |
| | | White ■ 3SB5000-0LG01 | | |
|  | Normal | Yellow ■ 3SB5000-0LD01 | 95.- | 10 |
| | | Black ■ 3SB5000-0LB01 | | |
| | | Red ■ 3SB5001-0AC01-0PQ0 | | |
| | | Green ■ 3SB5001-0AE01-0PQ0 | | |
| | | Amber 3SB5001-0AL01-0PQ0 | | |
| | Raised | Blue 3SB5001-0AF01-0PQ0 | 100.- | 10 |
| | | White 3SB5001-0AG01-0PQ0 | | |
| | | Yellow 3SB5001-0AD01-0PQ0 | | |
| | | Clear 3SB5001-0AH01-0PQ0 | | |
| | | Red ■ 3SB5218-0LC01-0PQ0 | | |
| | | Green ■ 3SB5218-0LE01-0PQ0 | | |
| | | Amber 3SB5218-0LL01-0PQ0 | | |
| | | Blue 3SB5218-0LF01-0PQ0 | | |
| | | White 3SB5218-0LG01-0PQ0 | | |
| | | Yellow 3SB5218-0LD01-0PQ0 | | |
| Clear 3SB5218-0LH01-0PQ0 | | | | |

Modular Selector Actuators (with plastic front ring)

| Description | Colour | Type | Unit LP ₹ | Std Pkg (nos.) | |
|--|------------|-----------------------|-----------|----------------|--|
| 2 position opaque selector actuator (with holder for contact block) | | | | | |
|  | Maintained | Black ■ 3SB5000-2AB01 | 245.- | 10 | |
| | | Red ■ 3SB5000-2AC01 | | | |
| | Momentary | Black 3SB5000-2BB01 | | | |
| | | Red 3SB5000-2BC01 | | | |
| 3 position opaque selector actuator (with holder for contact block) | | | | | |
|  | Maintained | Black ■ 3SB5000-2DB01 | 250.- | 10 | |
| | | Red ■ 3SB5000-2DC01 | | | |
| | Momentary | Black ■ 3SB5000-2EB01 | | | |
| | | Red ■ 3SB5000-2EC01 | | | |
| 2 position illuminated selector actuator (with holder for contact block) | | | | | |
|  | Maintained | Red ■ 3SB5001-2AC01 | 240.- | 10 | |
| | | Green ■ 3SB5001-2AE01 | | | |
| | | Blue 3SB5001-2AF01 | | | |
| | | Yellow 3SB5001-2AD01 | | | |
| | | Clear 3SB5001-2AH01 | | | |
| | Momentary | Red ■ 3SB5001-2BC01 | | | |
| | | Green ■ 3SB5001-2BE01 | | | |
| | | Blue 3SB5001-2BF01 | | | |
| | | Yellow 3SB5001-2BD01 | | | |
| | | Clear 3SB5001-2BH01 | | | |
| 3 position illuminated selector actuator (with holder for contact block) | | | | | |
|  | Maintained | Red ■ 3SB5001-2DC01 | 255.- | 10 | |
| | | Green ■ 3SB5001-2DE01 | | | |
| | | Blue 3SB5001-2DF01 | | | |
| | | Yellow 3SB5001-2DD01 | | | |
| | | Clear 3SB5001-2DH01 | | | |
| | Momentary | Red ■ 3SB5001-2EC01 | | | |
| | | Green ■ 3SB5001-2EE01 | | | |
| | | Blue 3SB5001-2EF01 | | | |
| | | Yellow 3SB5001-2ED01 | | | |
| | | Clear 3SB5001-2EH01 | | | |
| | | | | | |
| | | | | | |

Contact Blocks for Push button, Selector & Key Actuators

| Description | Configuration | Type | Unit LP ₹ | Std Pkg (nos.) |
|--|---------------|--------------|-----------|----------------|
| Contact blocks for rear mounting (for panel mounting) | | | | |
|  | 1 NO | ■ 3SB5400-0B | 90.- | 10 |
| | 1NC | ■ 3SB5400-0C | | |
| | 1NO + 1 NC | ■ 3SB5400-0A | 165.- | 10 |
| | 2 NO | ■ 3SB5400-0E | | |
| | 2 NC | ■ 3SB5400-0F | | |
| | | | | |

Mushroom Actuators (with plastic front ring)



| Description | Colour | Type | Unit LP ₹ | Std Pkg (nos.) |
|--|--------|-----------------|-----------|----------------|
| Mushroom actuator (40 mm ø) (with holder for contact block) | | | | |
| momentary | Black | 3SB5000-1NB01 | 145.- | 10 |
| | Red | ■ 3SB5000-1NC01 | | |
| push to trip, turn to release | Black | ■ 3SB5000-1CB01 | 175.- | 10 |

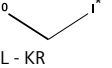
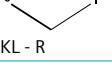
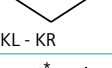
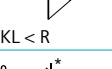
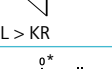
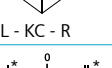
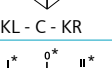
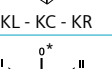
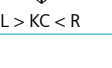
Mushroom Actuators (with plastic front ring) for Emergency Stop Specifications



| Description | Colour | Type | Unit LP ₹ | Std Pkg (nos.) |
|---|--------|-----------------|-----------|----------------|
| Mushroom actuator (40 mm ø) push to trip, turn to release with 1NC | Red | ■ 3SB5203-0UC01 | 275.- | 10 |
| Mushroom actuator (40 mm ø) push to trip, turn to release | Red | 3SB5000-0UC01 | 195.- | 10 |
| Mushroom actuator (40 mm ø) push to trip, key to release | Red | 3SB5000-0TC01 | 1135.- | 10 |

Modular key actuators (with plastic front ring)





| Description | Colour | Type | Unit LP ₹ | Std Pkg (nos.) |
|---|------------|---|-----------|----------------|
| 2 position key actuator (with holder for contact block) | Maintained |  ■ 3SB5000-4AC01 | 360.- | 10 |
| | |  3SB5000-4AA01 | | |
| | |  3SB5000-4AB01 | | |
| | Momentary |  ■ 3SB5000-4TA01 | | 10 |
| | |  3SB5000-4TC01 | | |
| | | | | |
| 3 position key actuator (with holder for contact block) | Maintained |  ■ 3SB5000-4HA01 | 435.- | 10 |
| | |  3SB5000-4HC01 | | |
| | |  3SB5000-4HB01 | | |
| | Momentary |  ■ 3SB5000-4JA01 | | 10 |
| | | | | |

* Key removable position

L - Left, R - Right, C - Centre, KL - Key at Left, KR - Key at Right, KC - Key at Centre

Twin Push Button Actuators

| Description | Type | Unit LP ₹ | Std Pkg (nos.) |
|---|----------------------------|---------------|----------------|
| Complete actuator with holder for contact block | | | |
|  | Opaque with 1NO & 1NC | 3SB5201-7EC01 | 315.- |
| | Illuminated with 1NO & 1NC | 3SB5234-7EC01 | |
| Modular actuator with holder for contact block | | | |
|  | Opaque | 3SB5000-7EC01 | 150.- |
| | Illuminated | 3SB5001-7EC01 | |

■ Stock items

Push button Stations



| No. of control points | Description | Type | Unit LP ₹ | Std Pkg (nos.) |
|--|--|----------------|-----------|----------------|
| Metal enclosure: Aluminum Die Cast | | | | |
| 1 | Normal opaque push button - Green with 1NO contact block, "START" | ■ 3SB5801-8AA3 | 985.- | 1 |
| 1 | Red mushroom momentary actuator, with 1NC contact block, "STOP" | ■ 3SB5801-8AN3 | 1065.- | 1 |
| 1 | Red maintained mushroom actuator, turn to release, with 1NC contact block, "E-STOP" | ■ 3SB5801-8AM3 | 1405.- | 1 |
| 2 | Normal opaque push button - Green with 1NO contact block, "START" + Normal opaque push button - Red with 1NC contact block, "STOP" | ■ 3SB5802-8AC3 | 1220.- | 1 |
| 2 | Normal opaque push button - Green with 1NO contact block, "START" + Red mushroom-maintained with 1NC contact block, "STOP" | ■ 3SB5802-8AE3 | 1555.- | 1 |
| 3 | Normal opaque push button - Green with 1NO contact block, "START" + Normal opaque push button - Red with 1NC contact block, "STOP" + Normal opaque push button - Black with 1NO contact block, "REVERSE" | ■ 3SB5803-8AH3 | 1745.- | 1 |
| Pendant mounting: Aluminum Die Cast | | | | |
| 2 | Normal opaque push button - Green with 1NO contact block, "START" + Normal opaque push button - Red with 1NC contact block, "STOP" | 3SB5822-8AC3 | 1670.- | 1 |
| 3 | Normal opaque push button - Green with 1NO contact block, "START" + Normal opaque push button - Red with 1NC contact block, "STOP" + Normal opaque push button - Black with 1NO contact block, "REVERSE" | 3SB5823-8AH3 | 2175.- | 1 |
| Plastic Enclosure | | | | |
| 1 | Normal opaque push button - Green with 1NO contact block, "START" | 3SB5801-7AA3 | 585.- | 1 |
| 1 | Red mushroom momentary actuator, with 1NC contact block, "STOP" | 3SB5801-7AN3 | 585.- | 1 |
| 1 | Red maintained mushroom actuator, turn to release, with 1NC contact block, "E-STOP" | 3SB5801-7AM3 | 630.- | 1 |
| 2 | Normal opaque push button - Green with 1NO contact block, "START" + Normal opaque push button - Red with 1NC contact block, "STOP" | 3SB5802-7AC3 | 680.- | 1 |
| 2 | Normal opaque push button - Green with 1NO contact block, "START" + Red mushroom-maintained with 1NC contact block, "STOP" | 3SB5802-7AE3 | 785.- | 1 |
| 3 | Normal opaque push button - Green with 1NO contact block, "START" + Normal opaque push button - Red with 1NC contact block, "STOP" + Normal opaque push button - Black with 1NO contact block, "REVERSE" | 3SB5804-7AG3 | 870.- | 1 |

Pendant mounting: Plastic

| No. of control points | Description | Type | Unit LP ₹ | Std Pkg (nos.) |
|-----------------------|--|--------------|-----------|----------------|
| 1 | Normal opaque push button - Green with 1NO contact block, "START" | 3SB5821-7AA3 | 1255.- | 1 |
| 2 | Normal opaque push button - Green with 1NO contact block, "START" + Normal opaque push button - Red with 1NC contact block, "STOP" | 3SB5822-7AC3 | 1535.- | 1 |
| 3 | Normal opaque push button - Green with 1NO contact block, "FORWARD" + Normal opaque push button - Red with 1NC contact block, "STOP" + Normal opaque push button - Black with 1NO contact block, "REVERSE" | 3SB5823-7AH3 | 2010.- | 1 |

Accessories for push button stations

| Description | Type | Unit LP ₹ | Std Pkg (nos.) |
|---|--------------|-----------|----------------|
| Plastic Enclosures | | | |
| 1 way, Grey | 3SB5801-0AC3 | 425.- | 1 |
| 2 way, Grey | 3SB5802-0AC3 | 355.- | 1 |
| 3 way, Grey | 3SB5803-0AC3 | 370.- | 1 |
| 4 way, Grey | 3SB5804-0AC3 | 810.- | 1 |
| 6 way, Grey | 3SB5806-0AC3 | 1125.- | 1 |
| 1 way, Yellow | 3SB5801-0AD3 | 425.- | 1 |
| Metal Enclosures | | | |
| 1 way | 3SB5801-4AC3 | 830.- | 1 |
| 2 way | 3SB5802-4AC3 | 905.- | 1 |
| 3 way | 3SB5803-4AC3 | 1265.- | 1 |
| Contact Block | | | |
| Contact block for base mounting, 1NO | ■ 3SB54200B | 90.- | 10 |
| Contact block for base mounting, 1NC | ■ 3SB54200C | 90.- | 10 |
| Illumination module BA9s lamp holder - Base Connection (For enclosures) | | | |
| Lamp Holder with Lamp 110V AC/DC | 3SB5420-2PF0 | 120.- | 10 |
| Lamp Holder with Lamp 230V AC | 3SB5420-2PLO | 120.- | 10 |
| Inscription Labels (set of 11 labels) | | | |
| Set of 11 labels: Start, Stop, On, OFF, Up, Down, Open, Close Forward, Reverse, Emergency Off | 3SB5901-3EA | 175.- | 10 |
| Blanking plug | | | |
| Blanking plug | 3SB5912-0BC | 40.- | 10 |

■ Stock items



Spares and Accessories

Spares for Push button actuators

| Description | Colour | Type | Unit LP ₹ | Std Pkg (nos.) | |
|---|--------|-------------|-------------|----------------|----|
| Spare coloured discs for push button actuator | Normal | Red | 3SB5910-0AC | 20.- | 10 |
| | | Green | 3SB5910-0AE | | 10 |
| | | Blue | 3SB5910-0AF | | 10 |
| | | White | 3SB5910-0AG | | 10 |
| | | Yellow | 3SB5910-0AD | | 10 |
| | | Black | 3SB5910-0AB | | 10 |
| Spare coloured discs for push button actuator | Raised | Red | 3SB5910-0BC | 20.- | 10 |
| | | Green | 3SB5910-0BE | | 10 |
| | | Blue | 3SB5910-0BF | | 10 |
| | | White | 3SB5910-0BG | | 10 |
| | | Yellow | 3SB5910-0BD | | 10 |
| | | Black | 3SB5910-0BB | | 10 |
| Spare coloured discs for illuminated push button actuator | Normal | Red | 3SB5910-0CC | 20.- | 10 |
| | | Green | 3SB5910-0CE | | 10 |
| | | Amber | 3SB5910-0CR | | 10 |
| | | Blue | 3SB5910-0CF | | 10 |
| | | White | 3SB5910-0CG | | 10 |
| | | Yellow | 3SB5910-0CD | | 10 |
| Spare coloured discs for illuminated push button actuator | Raised | Red | 3SB5910-0DC | 20.- | 10 |
| | | Green | 3SB5910-0DE | | 10 |
| | | Amber | 3SB5910-0DR | | 10 |
| | | Blue | 3SB5910-0DF | | 10 |
| | | White | 3SB5910-0DG | | 10 |
| | | Yellow | 3SB5910-0DD | | 10 |
| | | Clear | 3SB5910-0DH | 10 | |
| Plastic front ring | | 3SB5911-1BA | 20.- | 10 | |
| Plastic holder with screws | | 3SB5912-0BA | 40.- | 10 | |

Spares for indicating lamps

| Description | Type | Unit LP ₹ | Std Pkg (nos.) | |
|--|-----------|-------------|----------------|----|
| Lens for Indicating lamp | Red | 3SB5910-1PC | 40.- | 10 |
| | Green | 3SB5910-1PE | | 10 |
| | Amber | 3SB5910-1PR | | 10 |
| | Blue | 3SB5910-1PF | | 10 |
| | White | 3SB5910-1PG | | 10 |
| | Yellow | 3SB5910-1PD | | 10 |
| | Clear | 3SB5910-1PH | | 10 |
| BA9s Filament lamp | 24V/2W | 3SB5902-6C | 40.- | 10 |
| | 130V/2.5W | 3SB5902-6D | | 10 |
| BA9s LED Lamp 24V AC/DC | Red | 3SB5902-3FK | 95.- | 10 |
| | Green | 3SB5902-3GK | 95.- | 10 |
| | Blue | 3SB5902-3JK | 285.- | 10 |
| | Yellow | 3SB5902-3HK | 95.- | 10 |
| Lens for illuminated twin push button | White | 3SB5912-0BB | 20.- | 10 |
| Tool for fitting actuators on metal enclosures | | 3SB5902-2BX | 1335.- | 1 |

Accessories

| Description | Type | Unit LP ₹ | Std Pkg (nos.) | |
|--|---|---------------|----------------|------|
| Inscription plates | START | ■ 3SB5901-2EL | 20.- | 10 |
| | STOP | ■ 3SB5901-2EK | | 10 |
| | ON | ■ 3SB5901-2EB | | 10 |
| | OFF | ■ 3SB5901-2EC | | 10 |
| | UP | 3SB5901-2ED | | 10 |
| | DOWN | 3SB5901-2EE | | 10 |
| | FORWARD | 3SB5901-2EF | | 10 |
| | SLOW | 3SB5901-2ES | | 10 |
| | FAST | 3SB5901-2ER | | 10 |
| | REVERSE | 3SB5901-2EG | | 10 |
| | BLANK | 3SB5901-2AA | | 10 |
| | TRIP | 3SB5901-2EA | | 10 |
| | Thrust cap for Push Buttons (for actuating middle module) | ■ 3SB5902-0AA | | 20.- |
| Thrust pad for Selector Actuators (for actuating middle module) | ■ 3SB5912-0AN | 20.- | 10 | |
| Adaptor plate for replacing 30 mm PB by 22 mm | ■ 3SB5921-0AE | 20.- | 10 | |
| E-stop Yellow dia. 75 mm for Mushroom - Blank (Yellow contrast label) | 3SB5921-0AB | 20.- | 10 | |
| E-stop Yellow dia. 75mm with "EMERGENCY STOP" printing | 3SB5921-0AD | 20.- | 10 | |
| Grip for fixing BA9s lamp | ■ 3SB5902-2AD | 20.- | 10 | |
| Protective Cap (IP-67) for | Normal | 3SB5902-0AK | 35.- | 10 |
| | Raised | 3SB5902-0AN | | |
| Metallic holder for front connection actuators (when used outside 3SB508 stations) | 3SB5911-1AA | 45.- | 10 | |



■ Stock items

LP - List Price

SIEMENS

Ingenuity for life



SIRIUS 3SE5 Position Switches


Modular design for all applications


Modular design with many standardized components

- Plug-in design and replacement of the actuator heads
- Exchangeable two and three pole contact blocks
- Turnable actuator heads around the axis in increments of 22.5°, with total 16 positions
- Quick-connect technology
- Optional LED Displays
- Communication Capable (AS-i Safe)

Position Switches - 3SE5



Open Type 30mm IP 10

| Actuator Type | | Contact Arrangement | No. of Contacts | Type | Unit LP ₹ | Std. pkg. (nos.) |
|---------------|---|---------------------|-----------------|---------------|-----------|------------------|
| Open |  | Snap Action | 1NO + 1NC | 3SE5250-0YC05 | 455.- | 10 |
| | | Slow Action | | 3SE5250-0BC05 | 450.- | 10 |

| Actuator Type | | Contact Arrangement | No. of Contacts | Type | Unit LP ₹ | Std. pkg. (nos.) |
|---------------|---|---|-----------------|---------------|-----------|------------------|
| Open |  | Snap Action | 1NO + 2NC | 3SE5250-0LC05 | 755.- | 10 |
| | | Slow Action | 1NO + 2NC | 3SE5250-0KC05 | | 10 |
| | | Slow action contacts with make before break | 1NO + 2NC | 3SE5250-0MC05 | | 10 |
| | | Slow action | 2NO + 1 NC | 3SE5250-0PC05 | | 10 |




Plastic enclosure: Enclosed type modular unit IP 65

Basic switch

| Width | Basic switch | Contact Arrangement | No. of Contacts | Type | Unit LP ₹ | Std. pkg. (nos.) |
|-------|---|---|-----------------|---------------|-----------|------------------|
| 31mm |  | Snap Action | 1NO + 1NC | 3SE5232-0YC05 | 510.- | 1 |
| | | Slow Action | 1NO + 1NC | 3SE5232-0BC05 | 530.- | 1 |
| | | Snap Action | 1NO + 2NC | 3SE5232-0LC05 | 755.- | 1 |
| | | Slow Action | 1NO + 2NC | 3SE5232-0KC05 | | 1 |
| | | Slow-action contacts with make-before-break | 1NO + 2NC | 3SE5232-0MC05 | | 1 |
| | | Slow Action | 2NO + 1NC | 3SE5232-0PC05 | | 1 |
| 50mm |  | Snap Action | 1NO + 1NC | 3SE5242-0YC05 | 560.- | 1 |
| | | Slow Action | 1NO + 1NC | 3SE5242-0BC05 | 550.- | 1 |
| | | Snap Action | 1NO + 2NC | 3SE5242-0LC05 | 855.- | 1 |
| | | Slow Action | 1NO + 2NC | 3SE5242-0KC05 | | 1 |
| | | Slow-action contacts with make-before-break | 1NO + 2NC | 3SE5242-0MC05 | | 1 |
| | | Slow Action | 2NO + 1NC | 3SE5242-0PC05 | | 1 |

Metal enclosure: Enclosed type modular unit IP 66/ IP 67

Basic switch

| Width | Basic switch | Contact Arrangement | No. of Contacts | Type | Unit LP ₹ | Std. pkg. (nos.) |
|-------|---|---|-----------------|---------------|-----------|------------------|
| 31mm |  | Snap Action | 1NO + 1NC | 3SE5212-0YC05 | 795.- | 1 |
| | | Slow Action | 1NO + 1NC | 3SE5212-0BC05 | 780.- | 1 |
| | | Snap Action | 1NO + 2NC | 3SE5212-0LC05 | 905.- | 1 |
| | | Slow Action | 1NO + 2NC | 3SE5212-0KC05 | | 1 |
| | | Slow-action contacts with make-before-break | 1NO + 2NC | 3SE5212-0MC05 | 955.- | 1 |
| | | Slow Action | 2NO + 1NC | 3SE5212-0PC05 | | 1 |
| 40mm |  | Snap Action | 1NO + 1NC | 3SE5112-0YA00 | 815.- | 1 |
| | | Slow Action | 1NO + 1NC | 3SE5112-0BA00 | 800.- | 1 |
| | | Snap Action | 1NO + 2NC | 3SE5112-0LA00 | 955.- | 1 |
| | | Slow Action | 1NO + 2NC | 3SE5112-0KA00 | | 1 |
| | | Slow-action contacts with make-before-break | 1NO + 2NC | 3SE5112-0MA00 | 1005.- | 1 |
| | | Slow Action | 2NO + 1NC | 3SE5112-0PA00 | | 1 |
| 56mm |  | Snap Action | 1NO + 1NC | 3SE5122-0YA00 | 850.- | 1 |
| | | Slow Action | 1NO + 1NC | 3SE5122-0BA00 | 830.- | 1 |
| | | Snap Action | 1NO + 2NC | 3SE5122-0LA00 | 1160.- | 1 |
| | | Slow Action | 1NO + 2NC | 3SE5122-0KA00 | | 1 |
| | | Slow-action contacts with make-before-break | 1NO + 2NC | 3SE5122-0MA00 | 1260.- | 1 |
| | | Slow Action | 2NO + 1NC | 3SE5122-0PA00 | | 1 |

Plastic Roller Actuators heads for plastic 31 mm & 50mm and Metal 31 mm

| Actuator Type | Actuators heads | Type | Unit LP ₹ | Std. pkg. (nos.) |
|------------------------------------|-----------------|----------------|-----------|------------------|
| Roller Plunger | | 3SE5000-0AD03 | 205.- | 5 |
| Roller lever | | 3SE5000-0AE10 | 100.- | 5 |
| Angular Roller lever | | 3SE5000-0AF10 | 105.- | 5 |
| Part turn actuator for twist lever | | 3SE5000-0AK00 | 105.- | 5 |
| Twist Lever | | 3SE5000-0AA21# | 80.- | 5 |
| Twist Lever (Adjustable) | | 3SE5000-0AA50# | 165.- | 5 |
| Twist lever 50mm dia (Adjustable) | | 3SE5000-0AA58# | 220.- | 5 |

Metal Roller Actuators heads for plastic 31 mm & 50mm and Metal 31 mm

| Actuator Type | Actuators heads | Type | Unit LP ₹ | Std. pkg. (nos.) |
|------------------------------------|-----------------|----------------|-----------|------------------|
| Roller Plunger | | 3SE5000-0AD04 | 225.- | 5 |
| Roller lever | | 3SE5000-0AE11 | 155.- | 5 |
| Part turn actuator for twist lever | | 3SE5000-0AK00 | 105.- | 5 |
| Twist Lever (Adjustable) | | 3SE5000-0AA51# | 200.- | 5 |
| Plain Plunger | | 3SE5000-0AB01 | 285.- | 5 |

Plastic Roller Actuators heads for metal 40mm and 56mm

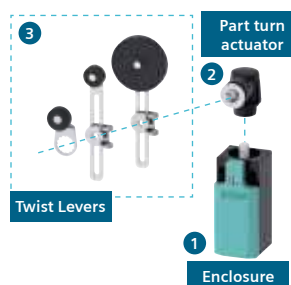
| Actuator Type | Actuators heads | Type | Unit LP ₹ | Std. pkg. (nos.) |
|------------------------------------|-----------------|-----------------|-----------|------------------|
| Roller lever | | 3SE5000-0AE01 | 140.- | 5 |
| Angular Roller lever | | 3SE5000-0AF01 | 250.- | 5 |
| Part turn actuator for twist lever | | 3SE5000-0AH00 | 220.- | 5 |
| Twist Lever | | 3SE5000-0AA01# | 95.- | 5 |
| Twist Lever (Adjustable) | | 3SE5000-0AA50# | 165.- | 5 |
| Fork type | | 3SE5000-0AT01\$ | 100.- | 5 |
| Mounting Head for Fork Type | | 3SE5000-0AT10 | 955.- | 5 |
| Twist lever 50mm dia (Adjustable) | | 3SE5000-0AA58# | 220.- | 5 |

Metal Roller Actuators heads for metal 40mm and 56mm


| Actuator Type | Actuators heads | Type | Unit LP ₹ | Std. pkg. (nos.) |
|------------------------------------|-----------------|----------------|-----------|------------------|
| Rounded Plunger | | 3SE5000-0AC02 | 180.- | 5 |
| Roller Plunger | | 3SE5000-0AD02 | 255.- | 5 |
| Roller lever | | 3SE5000-0AE02 | 180.- | 5 |
| Angular Roller lever | | 3SE5000-0AF02 | 280.- | 5 |
| Part turn actuator for twist lever | | 3SE5000-0AH00 | 220.- | 5 |
| Twist Lever | | 3SE5000-0AA02# | 115.- | 5 |
| Twist Lever (Adjustable) | | 3SE5000-0AA51# | 200.- | 5 |

Notes:



1. The basic switch comes with a Teflon plunger, in case of rounded plunger requirements no need to order actuator separately
2. # Twist levers are to be ordered with part turn actuator to allow fitment on enclosure
3. \$ Fork type actuator shall be ordered with mounting head 3SE5000-0AT10



Spare and Accessories



| Actuator Type | | Description | Type | Unit LP ₹ | Std. pkg. (nos.) |
|------------------|---|--|---------------|-----------|------------------|
| Empty enclosures |  | Empty enclosures without contact block | 3SE5250-0AC05 | 205.- | 10 |



Spares for Open & enclosed switch

| Actuator Type | | Contact Arrangement | No. of Contacts | Type | Unit LP ₹ | Std. pkg. (nos.) |
|---------------|---|---|-----------------|----------------|-----------|------------------|
| Contact block |  | Slow action | 1NO + 1NC | 3SE5050-0BA00* | 415.- | 10 |
| | | Snap action | | 3SE5000-0YA00 | | 10 |
| | | Slow action | | 3SE5000-0BA00 | | 10 |
| |  | Slow action | 1NO + 2NC | 3SE5000-0KA00 | 530.- | 10 |
| | | Snap action | | 3SE5000-0LA00 | | 10 |
| | | Slow-action contacts with make-before-break | 2NO + 1 NC | 3SE5000-0MA00 | 550.- | 10 |
| | | Slow action | | 3SE5000-0PA00 | | 10 |

Note: 3SE5000-0BA00 can be used only with enclosed type switch

* Suitable for Open execution

| Actuator Type | | Description | Type | Unit LP ₹ | Std. pkg. (nos.) |
|----------------|---|--|---------------|-----------|------------------|
| Cable gland |  | Molded Plastic Cable Gland, M20X1.5 | 3SX9926 | 535.- | 5 |
| Protective Cap |  | Protective Cap. Acc. to EN50047, for protection of rounded plunger | 3SE5000-0AC30 | 30.- | 5 |

| Actuator Type | | Type | Type | Unit LP ₹ | Std. pkg. (nos.) |
|---------------|---|---------|---------------|-----------|------------------|
| 31MM |  | Plastic | 3SE5232-0AC05 | 375.- | 1 |
| 50MM | | | 3SE5242-0AC05 | 550.- | 1 |
| 31MM |  | Metal | 3SE5212-0AC05 | 605.- | 1 |
| 40MM | | | 3SE5112-0AA00 | 755.- | 1 |
| 56MM | | | 3SE5122-0AA00 | 1005.- | 1 |



Cable operated switches

NEW



Conveyor Belt Applicaton

| | Wire length | Metal enclosure with plastic cover | | Contacts | Type | Unit LP ₹ | Std. pkg. (nos.) |
|--|-------------|--|---|-------------|---------------|-----------|------------------|
| | 10m | Without latching | IP 65 | 1 NO + 1 NC | 3SE7120-2DD01 | 12150.- | 1 |
| | | With latching and button reset | | 2 NC | 3SE7120-1BF00 | 15865.- | 1 |
| | | With latching and button reset, Yellow cover | | 1 NO + 2 NC | 3SE7120-1BH00 | 24055.- | 1 |
| | 25m | Without latching | IP 65, with Alignment window | 1 NO + 1 NC | 3SE7150-2DD00 | 12150.- | 1 |
| | | With latching and button reset | | 1 NO + 1 NC | 3SE7150-1BD00 | 15865.- | 1 |
| | | With latching and button reset | | 2 NC | 3SE7150-1BF00 | 15865.- | 1 |
| | | With latching and button reset, Yellow cover | | 1 NO + 2 NC | 3SE7150-1BH00 | 17415.- | 1 |
| | | With latching and key unlatching | | 1 NO + 1 NC | 3SE7150-1CD00 | 17330.- | 1 |
| | 25m | Without latching | IP65, with Alignment window, with red 24V DC LED | 1 NO + 1 NC | 3SE7150-2DD04 | 21510.- | 1 |
| | | With latching and button reset | | 1 NO + 1 NC | 3SE7150-1BD04 | 25150.- | 1 |
| | | With latching and button reset, Yellow cover | | 1 NO + 2 NC | 3SE7150-1BH04 | 26235.- | 1 |
| | 50m | With latching and button reset | IP 65 | 1 NO + 1 NC | 3SE7140-1BD00 | 36950.- | 1 |
| | | With latching and button reset | IP 65 | 2 NC | 3SE7140-1BF00 | 37250.- | 1 |
| | | With latching and button reset | IP 65, with red 24V DC LED | 1 NO + 1 NC | 3SE7140-1BD04 | 46505.- | 1 |
| | | With latching and key unlatching | IP 65 | 1 NO + 1 NC | 3SE7140-1CD00 | 44415.- | 1 |
| | 75m | With latching | IP 67, with EMERGENCY STOP mushroom, with rotate-to-unlatch mechanism | 1 NO + 3 NC | 3SE7141-1EG10 | 31800.- | 1 |
| | 2 X 100 | With latching and button reset, With actuation on both sides | IP 65 | 2 NO + 2 NC | 3SE7160-1AE00 | 39465.- | 1 |
| | | | IP 65 | 1 NO + 1 NC | 3SE7160-1BD00 | 36985.- | 1 |
| | | | IP 65, with red 24V DC LED | 2 NO + 2 NC | 3SE7160-1AE04 | 67285.- | 1 |
| | - | Conveyor belt unbalance trackers, With latching and button reset | IP 65 | 2 NO + 2 NC | 3SE7310-1AE00 | 50995.- | 1 |
| | | | IP 65, with red 24V DC LED | 2 NO + 2 NC | 3SE7310-1AE04 | 59970.- | 1 |

Accessories for cable operated switches

| | Description | Type | Unit LP ₹ | Std. pkg. (nos.) |
|---|---|-------------|-----------|------------------|
|  | Steel wires, with red plastic sheath, diameter 4 sqmm | | | |
| | 10m | 3SE7910-3AA | 5465.- | 1 |
| | 15m | 3SE7910-3AB | 8205.- | 1 |
| | 20m | 3SE7910-3AC | 10835.- | 1 |
| | 50m | 3SE7910-3AH | 27085.- | 1 |
|  | Wire clamps, galvanized white | | | |
| | Oval | 3SE7941-1AC | 980.- | 1 |
|  | Single (1 set = 4 units) | 3SE7942-1AA | 235.- | 4 |
|  | Simplex (1 set = 4 units) | 3SE7943-1AC | 345.- | 4 |
|  | Duplex (1 set = 4 units) | 3SE7944-1AC | 500.- | 4 |
|  | Tension springs (zinc-plated) to maintain the counter tension | | | |
| | 13 N | 3SE7931-1AB | 1595.- | 1 |
| | 35 N, for cable-operated switches up to 50 m | 3SE7931-1AD | 2350.- | 1 |
| | > 35 N, for cable-operated switches up to 2 x 75m | 3SE7931-1AE | 3690.- | 1 |
|  | Wire rollers for changing the direction of the wire, rotatable | 3SE7921-1AC | 1280.- | 1 |
|  | Fixtures for the wire rollers (incl. fixing nuts) | 3SE7921-1AA | 305.- | 1 |
|  | Wire eyes for changes in wire direction and improved power transmission at the fixing points (1 set = 4 units)" | 3SE7930-1AD | 190.- | 4 |
|  | Eyebolts for fixing the wire, Including M8 nut | 3SE7920-1AB | 775.- | 1 |
| | Eyebolts for fixing the wire, Including M10 nut | 3SE7920-1AC | 785.- | 1 |
|  | Turnbuckles for precise adjustment of the pre-tension, M6 x 60 | 3SE7950-1AB | 1165.- | 1 |
| | Turnbuckles for precise adjustment of the pre-tension, M6 x 110 | 3SE7950-1AD | 3290.- | 1 |

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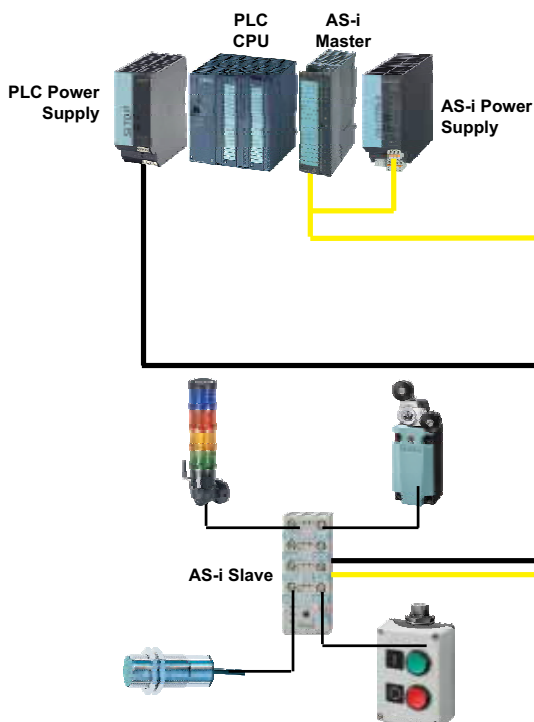
AS-I Masters and Power supplies



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Actuator Sensor interface (AS-i) is a 2 wire simple bus system that connects field devices like limit switches, proximity sensors, valves, etc to a PLC. This eliminates the huge control cabling in your machine/ plant.

AS-i can be used in any machine / process having Sensors (Push buttons, Limit switches, Proximity sensors) Actuators

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- Increased uptime
- Increased productivity

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SIMOCODE Pro

Basic Unit

| Description | Type |
|---|-----------------|
| Pro S on Profibus with 110-240VAC/DC control | 3UF7020-1AU01-0 |
| Pro S on Profibus with 24VDC control | 3UF7020-1AB01-0 |
| Pro V on Profibus with 110-240VAC/DC control | 3UF7010-1AU00-0 |
| Pro V on Profibus with 24VDC control | 3UF7010-1AB00-0 |
| Pro C on Profibus with 110-240VAC/DC control | 3UF7000-1AU00-0 |
| Pro C on Profibus with 24VDC control | 3UF7000-1AB00-0 |
| Pro V PN on Profinet with 110-240VAC/DC control | 3UF7011-1AU00-0 |
| Pro V PN on Profinet with 24VDC control | 3UF7011-1AB00-0 |
| Pro V on Modbus RTU with 110-240VAC/DC control | 3UF7012-1AU00-0 |
| Pro V on Modbus RTU with 24VDC control | 3UF7012-1AB00-0 |
| Pro V on EtherNet/IP with 24VDC control | 3UF7013-1AB00-0 |
| Pro V on EtherNet/IP with 110-24VAC/DC control | 3UF7013-1AU00-0 |

Current Measuring Module

| Description | Type |
|--------------------------------|-----------------|
| 0.3 to 3A | 3UF7100-1AA00-0 |
| 2.4 to 25A | 3UF7101-1AA00-0 |
| 10 to 100A | 3UF7102-1AA00-0 |
| 20 to 200A | 3UF7103-1AA00-0 |
| 20 to 200A (Busbar Connection) | 3UF7103-1BA00-0 |
| 63 to 630A (Busbar Connection) | 3UF7104-1BA00-0 |

Current/Voltage Measuring Module (2nd generation)

| Description | Type |
|--------------------------------|-----------------|
| 0.3 to 4A | 3UF7110-1AA01-0 |
| 3.0 to 40A | 3UF7111-1AA01-0 |
| 10 to 115A | 3UF7112-1AA01-0 |
| 20 to 200A | 3UF7113-1AA01-0 |
| 20 to 200A (Busbar Connection) | 3UF7113-1BA01-0 |
| 63 to 630A (Busbar Connection) | 3UF7114-1BA01-0 |

Prices available on request

Operator Panel (Optional)

| Description | Type |
|---|-----------------|
| Operator Panel (for Pro S) | 3UF7200-1AA01-0 |
| Operator Panel (for Pro C, Pro V) | 3UF7200-1AA00-0 |
| Operator Panel with Display (for Pro V) | 3UF7210-1AA00-0 |

Connecting Cable

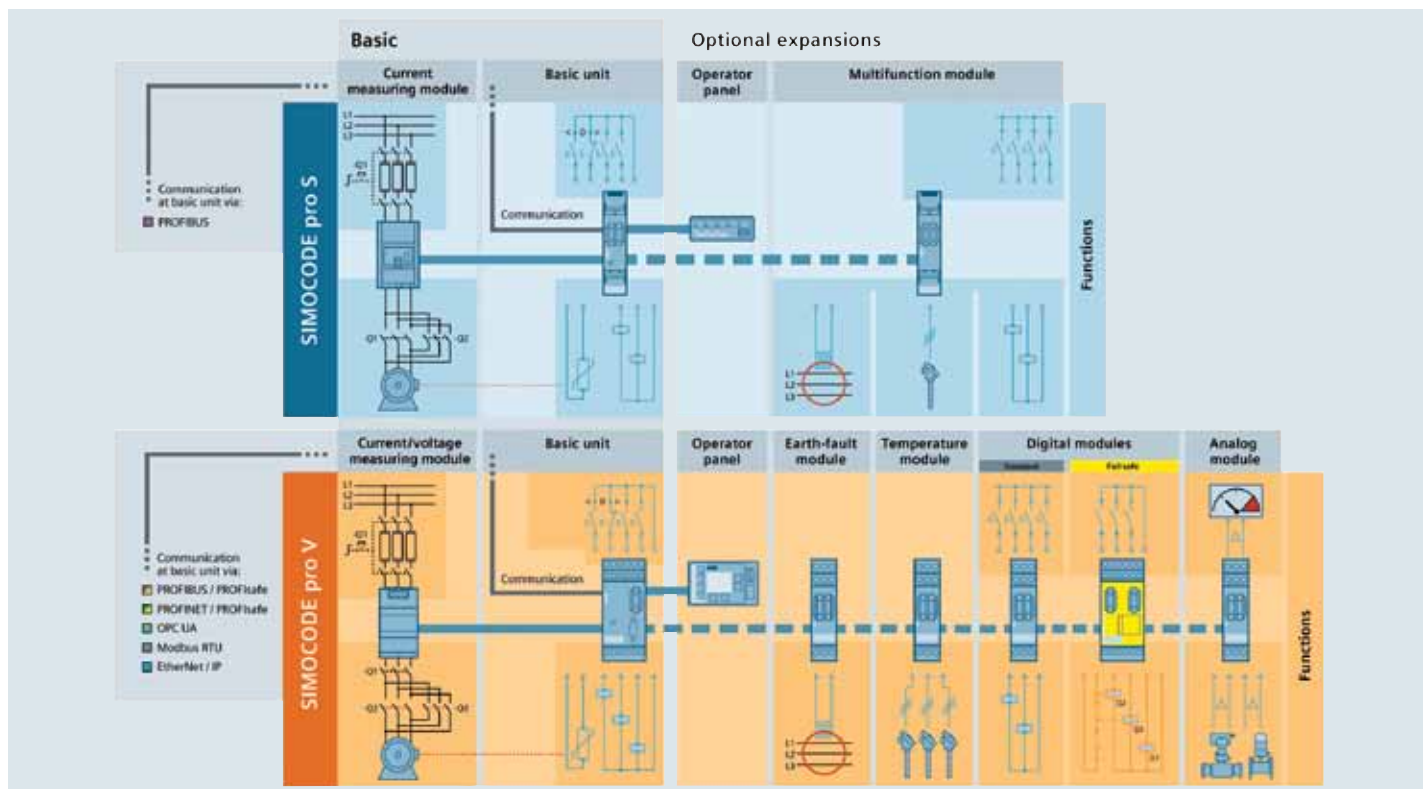
| Description | Type |
|----------------------------|-----------------|
| Side by Side (0.025m flat) | 3UF7930-0AA00-0 |
| Length 0.1m (flat) | 3UF7931-0AA00-0 |
| Length 0.3m (flat) | 3UF7935-0AA00-0 |
| Length 0.5m (flat) | 3UF7932-0AA00-0 |
| Length 0.5m (round) | 3UF7932-0BA00-0 |
| Length 1m (round) | 3UF7937-0BA00-0 |
| Length 2.5m (round) | 3UF7933-0BA00-0 |

Configuration Software

| Description | Type |
|---|--------------------|
| Upgrade for SIMOCODE ES 2007 Premium | 3ZS1322-6CC12-0YE5 |
| SIMOCODE ES V15 (TIA Portal) Premium Package – Floating license | 3ZS1322-6CC13-0YA5 |

Accessories

| Description | Type |
|--|-----------------|
| PC Cable for PC/PG communication - USB connection | 3UF7941-0AA00-0 |
| Memory Module for pro S, pro C & pro V on Profibus | 3UF7900-0AA00-0 |
| Memory Module for pro V PN on Profinet | 3UF7901-0AA00-0 |
| Addressing Plug for pro S, pro C & pro V on Profibus | 3UF7910-0AA00-0 |
| Door Adaptor | 3UF7920-0AA00-0 |
| Initialization module for the automatic parameterization of SIMOCODE pro S/proV, | 3UF7902-0AA00-0 |



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SIRIUS 3SK1 safety relays comply to the most stringent requirements of IEC 61508 or IEC 62061 (SIL 3) and EN ISO 13849-1 (PL e) and therefore the latest safety standards.

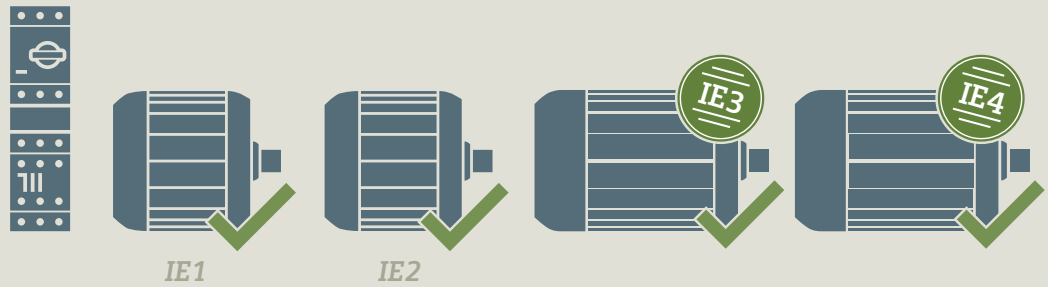
for more details visit us at: siemens.com/safety-relays

| Relay enable circuit | Semiconductor enable circuit | Output Contacts | | | | Rated control supply voltage | Unit LP ₹ | MOQ |
|--|------------------------------|-----------------|-----------------|---------|----------------------------|------------------------------|-----------|-----|
| | | EC | SC (signalling) | EC (td) | Adjustable Time Delay (td) | | | |
| SIRIUS 3SK1 standard basic units | | | | | | | | |
| 3SK1111-1AB30 | | 3 | 1 | -- | -- | 24V AC/DC | 17575.- | 1 |
| 3SK1111-1AW20 | | 3 | 1 | -- | -- | 110-240V AC/DC | 17575.- | 1 |
| | 3SK1112-1BB40 | 2 | 1 | -- | -- | 24V DC | 16155.- | 1 |
| SIRIUS 3SK1 advanced basic units | | | | | | | | |
| 3SK1121-1CB41 | | 2 | -- | 2 | 0.05...3 Sec | 24V DC | 26935.- | 1 |
| 3SK1121-1CB42 | | 2 | -- | 2 | 0.5...30 Sec | 24V DC | 26935.- | 1 |
| 3SK1121-1CB44 | | 2 | -- | 2 | 5.0...300Sec | 24V DC | 26935.- | 1 |
| | 3SK1122-1CB41 | 2 | -- | 2 | 0.05...3 Sec | 24V DC | 16155.- | 1 |
| | 3SK1122-1CB42 | 2 | -- | 2 | 0.5...30 Sec | 24V DC | 16155.- | 1 |
| | 3SK1122-1CB44 | 2 | -- | 2 | 5.0...300Sec | 24V DC | 16155.- | 1 |
| SIRIUS 3SK1 Output expansion module | | | | | | | | |
| 3SK1211-1BB00 | | 4 | 1 | | | 24V AC | 15835.- | 1 |
| 3SK1211-1BB40 | | 4 | 1 | | | 24V DC | 15835.- | 1 |
| 3SK1211-1BW20 | | 4 | 1 | | | 110-240V AC/DC | 15835.- | 1 |

Note: EC = enable Circuit(s), SC = signaling circuit(s), td = delayed



Reliable
switching and
protection
of IE3/IE4
motors
at any time



Fuseless selection type 2, Iq = 50kA, IS/IEC:60947-4-1 (Motor starter protector 3RV2 + Contactor 3RT)

Suitable for IE3/IE4

- The selection is valid only for complete Siemens combinations i.e. MPCB + contactor + bi-relay (+timer)
 - In case this combination is changed to accommodate another brand/rating of MPCB/MCCB/contactor/BMR, it shall be the responsibility of the person making such a change to assure Type 2 performance.
 - Selection is for normal starting conditions (Class 10 Feeder). For heavy starting applications (e.g. ID/FD fans, reciprocating compressor, ball mills etc.), please consult Siemens.
 - Tested Type 2 combinations
 - Low LCC = Low life cycle cost
- # 3RV20 comes with in-built overload protection, hence external bi-relay is eliminated

Direct-on-line feeder, for low LCC

| SL Motor | | Circuit breaker® | | Contactor | | Bi-relay | |
|------------------------|-----------------------------------|--------------------|-------------|-----------|-------------|----------|---------------|
| kW 415V, 3ph, 50/60 Hz | I _L Amps (Guide value) | Type | Rating Amps | Type | Rating Amps | Type | Set-Range Amp |
| 0.37 | 1.1 | 3RV2011-0KA10 | 1.25 | 3RT2015 | 7 | # | 0.9 ... 1.1 |
| 0.55 | 1.5 | 3RV2011-1AA10 | 1.6 | 3RT2015 | 7 | # | 1.1 ... 1.4 |
| 0.75 | 1.9 | 3RV2011-1CA10 | 2.5 | 3RT2015 | 7 | # | 1.8 ... 2.2 |
| 1.1 | 2.7 | 3RV2011-1DA10 | 3.2 | 3RT2015 | 7 | # | 2.2 ... 2.8 |
| 1.5 | 3.6 | 3RV2011-1FA10 | 5 | 3RT2024 | 12 | # | 3.5 ... 4.5 |
| 2.2 | 5 | 3RV2011-1GA10 | 6.3 | 3RT2024 | 12 | # | 4.5 ... 5.5 |
| 3 | 6.5 | 3RV2011-1HA10 | 8 | 3RT2024 | 12 | # | 5.5 ... 7 |
| 4 | 8.5 | 3RV2011-1JA10 | 10 | 3RT2024 | 12 | # | 7 ... 9 |
| 5.5 | 11.5 | 3RV2011-1KA10 | 12.5 | 3RT2024 | 12 | # | 9 ... 10 |
| 7.5 | 15.5 | 3RV2021-4BA10 | 20 | 3RT2027 | 32 | # | 13 ... 16 |
| 11 | 22 | 3RV2021-4DA10 | 25 | 3RT2027 | 32 | # | 18 ... 23 |
| 15 | 29 | 3RV2021-4EA10 | 32 | 3RT2027 | 32 | # | 27 ... 30 * |
| 18.5 | 35 | 3RV2031-4UA10 | 40 | 3RT2035 | 40 | # | 32 ... 35 |
| 22 | 41 | 3RV2031-4WA10 | 52 | 3RT2036 | 50 | # | 42 ... 49 |
| 30 | 55 | 3RV2031-4JA10 | 65 | 3RT2037 | 65 | # | 54 ... 62 |
| 37 | 66 | 3RV2031-4KA10 | 73 | 3RT2038 | 80 | # | 62 ... 70 |
| 45 | 80 | 3RV2031-4RA10 | 80 | 3RT2038 | 80 | # | 70 ... 77 ** |
| 45 | 80 | 3RV2041-4RA10 | 84 | 3RT2046 | 95 | # | 65 ... 84 |
| 55 | 97 | 3RV2042-4MA10 | 100 | 3RT2047 | 110 | # | 80 ... 100 |
| 55 | 97 | 3VA2216-5MN32-0AA0 | 160 | 3RT1054 | 115 | # | 63 ... 115 |
| 75 | 132 | 3VA2216-5MN32-0AA0 | 160 | 3RT1055 | 150 | # | 63 ... 140 |
| 90 | 160 | 3VA2220-5MN32-0AA0 | 200 | 3RT1056 | 185 | # | 80 ... 175 |
| 110 | 195 | 3VA2325-5MN32-0AA0 | 250 | 3RT1064 | 225 | # | 100 ... 225 |
| 132 | 230 | 3VA2440-5MN32-0AA0 | 400 | 3RT1065 | 265 | # | 160 ... 265 |
| 160 | 280 | 3VA2440-5MN32-0AA0 | 400 | 3RT1066 | 300 | # | 160 ... 300 |
| 200 | 350 | 3VA2450-5MN32-0AA0 | 500 | 3RT1075 | 400 | # | 200 ... 400 |
| 250 | 430 | 3VA2450-5MN32-0AA0 | 500 | 3RT1076 | 500 | # | 200 ... 440 |

* Starting current up to 256A

** Starting current up to 720A

\$ 3RV21 'relay function' motor protection circuit-breaker can also be used in place of 3RV10 / 3RV20 MPCB respectively

@ Motor switching operations with circuit breaker 3VA are not allowed.

Alternative combinations with 3VA1 available, contact nearest sales office

For more motor feeder selection charts with various SIRIUS devices see configuration manual "Configuring SIRIUS Innovations – Selection Data for Fuseless and Fused Load Feeders", <https://support.industry.siemens.com/cs/ww/en/view/39714188>

Fuseless selection type 2, Iq = 50kA, IS/IEC:60947-4-1 (3RV/3VL with 3RT & 3RU)

Suitable for IE2 motors

- The selection is valid only for complete Siemens combinations i.e. MPCB / MCCB + contactor + bi-relay (+timer)
- In case this combination is changed to accommodate another brand/rating of MPCB/MCCB/contactor/BMR, it shall be the responsibility of the person making such a change to assure Type 2 performance.
- Selection is for normal starting conditions (class 10 feeder). For heavy starting applications (e.g. ID/FD fans, reciprocating compressor, ball mills etc.), please consult Siemens.
- The electronic star-delta timer type 3RP should be used in star-delta feeders.
- Tested Type 2 combinations
- Low LCC = Low life cycle cost

Direct-on-line feeder, for low LCC

| SL motor | | Circuit breaker ⁵ | | Contactor | | Bi-relay | |
|------------------------|--------------------|------------------------------|------|-----------|-----|------------------|---------------|
| kW 415V, 3ph, 50/60 Hz | I _L Amp | Type | Amp | Type | Amp | Type | Set-Range Amp |
| 0.37 | 1.1 | 3RV2011-0KA10 | 1.25 | 3RT2015 | 7 | # | 0.9 ... 1.25 |
| 0.55 | 1.5 | 3RV2011-1AA10 | 1.6 | 3RT2015 | 7 | # | 1.1 ... 1.6 |
| 0.75 | 1.9 | 3RV2011-1BA10 | 2 | 3RT2015 | 7 | # | 1.4 ... 2 |
| 1.1 | 2.7 | 3RV2011-1DA10 | 3.2 | 3RT2015 | 7 | # | 2.2 ... 3.2 |
| 1.5 | 3.6 | 3RV2011-1EA10 | 4 | 3RT2015 | 7 | # | 2.8 ... 4 |
| 2.2 | 5 | 3RV2011-1GA10 | 6.3 | 3RT2024 | 12 | # | 4.5 ... 6.3 |
| 3 | 6.5 | 3RV2011-1HA10 | 8 | 3RT2024 | 12 | # | 5.5 ... 8 |
| 4 | 8.5 | 3RV2011-1JA10 | 10 | 3RT2024 | 12 | # | 7.....10 |
| 5.5 | 11.5 | 3RV2011-1KA10 | 12.5 | 3RT2024 | 12 | # | 9 ... 12.5 |
| 7.5 | 15.5 | 3RV2011-4AA10 | 16 | 3RT2026 | 25 | # | 11.....16 |
| 11 | 22 | 3RV2021-4DA10 | 25 | 3RT2027 | 32 | # | 20 ... 25 |
| 15 | 29 | 3RV2021-4EA10 | 32 | 3RT2027 | 32 | # | 27 ... 32 |
| 18.5 | 34 | 3RV2031-4UA10 | 40 | 3RT2035 | 40 | # | 32 ... 40 |
| 22 | 40 | 3RV2031-4VA10 | 45 | 3RT2036 | 50 | # | 35 ... 45 |
| 30 | 53 | 3RV2031-4JA10 | 65 | 3RT2037 | 65 | # | 54 ... 65 |
| 37 | 65 | 3RV2031-4KA10 | 73 | 3RT2038 | 80 | # | 62 ... 73 |
| 45 | 78 | 3RV2031-4RA10 | 80 | 3RT2038 | 80 | # | 70 ... 80 |
| 55 | 96 | 3RV1041-4MA10 | 100 | 3RT1054 | 115 | # | 80 ... 100 |
| 55 | 96 | 3VL2710-1DK36-0AA0 | 100 | 3RT1054 | 115 | 3RU2146-4MB0 | 80 ... 100 |
| 75 | 132 | 3VL2716-1DK36-0AA0 | 160 | 3RT1055 | 150 | 3RU2156-5DB10-8K | 110 ... 160 |
| 90 | 160 | 3VL3725-1DK36-0AA0 | 250 | 3RT1056 | 185 | 3RU2156-5EB10-8K | 140 ... 200 |
| 110 | 195 | 3VL3725-1DK36-0AA0 | 250 | 3RT1064 | 225 | 3RU2166-5FB10-8K | 180 ... 250 |
| 132 | 230 | 3VL3725-1DK36-0AA0 | 250 | 3RT1065 | 265 | 3RU2166-5FB10-8K | 180 ... 250 |
| 160 | 280 | 3VL4731-1DK36-0AA0 | 315 | 3RT1066 | 300 | 3RU2166-5GB10-8K | 220 ... 320 |
| 200 | 350 | 3VL5750-1DK36-0AA0 | 500 | 3RT1075 | 400 | 3RU2176-5HB10-8K | 280 ... 400 |
| 250 | 430 | 3VL5750-1DK36-0AA0 | 500 | 3RT1076 | 500 | 3RU2176-5JB10-8K | 350 ... 500 |

\$ 3RV11 / 3RV21 'relay function' motor protection circuit-breaker can also be used in place of 3RV10 / 3RV20 motor protection circuit-breaker respectively

3RV10 /3RV20 comes with in-built overload protection, hence external bi-relay is eliminated

Suitable for IE2/IE3/IE4 Motors

Star-Delta feeder, for Low LCC

| SL motor | | | Circuit breaker ⁵ | | Contactor line/delta | | Contactor star | | Bi-relay | | Timer |
|------------------------|---------------------|----------------------|------------------------------|-------------|----------------------|-------------|----------------|-------------|------------------|---------------|-------|
| kW 415V, 3ph, 50/60 Hz | I _L Amps | I _{Ph} Amps | Type | Rating Amps | Type | Rating Amps | Type | Rating Amps | Type | Set-Range Amp | Type |
| 5.5 | 11.5 | 6.5 | 3RV2321-4AC10 | 16 | 3RT2026 | 25 | 3RT2015 | 7 | 3RU2126-1HB0 | 5.5 - 8 | 3RP15 |
| 7.5 | 15.5 | 9.2 | 3RV2321-4BC10 | 20 | 3RT2026 | 25 | 3RT2015 | 7 | 3RU2126-1JB0 | 7-10 | 3RP15 |
| 11 | 22 | 12 | 3RV2321-4DC10 | 25 | 3RT2027 | 32 | 3RT2024 | 12 | 3RU2126-4AB0 | 11...16 | 3RP15 |
| 15 | 29 | 16.2 | 3RV2321-4EC10 | 32 | 3RT2027 | 32 | 3RT2024 | 12 | 3RU2126-4BB0 | 14 ... 20 | 3RP15 |
| 18.5 | 34 | 19.7 | 3RV2331-4UC10 | 40 | 3RT2035 | 40 | 3RT2027 | 32 | 3RU2136-4DB0 | 18 ... 25 | 3RP15 |
| 22 | 40 | 23.2 | 3RV2331-4VC10 | 45 | 3RT2036 | 50 | 3RT2027 | 32 | 3RU2136-4EB0 | 22 ... 32 | 3RP15 |
| 30 | 53 | 30.6 | 3RV2332-4JC10 | 65 | 3RT2037 | 65 | 3RT2035 | 40 | 3RU2136-4FB0 | 28 ... 40 | 3RP15 |
| 37 | 65 | 37.5 | 3RV2331-4KC10 | 73 | 3RT2038 | 80 | 3RT2035 | 40 | 3RU2136-4GB0 | 36 ... 45 | 3RP15 |
| 45 | 78 | 45 | 3RV2331-4RC10 | 80 | 3RT2038 | 80 | 3RT2035 | 40 | 3RU2136-4HB0 | 40 ... 50 | 3RP15 |
| 55 | 96 | 55.4 | 3RV2341-4MC10 | 100 | 3RT2047 | 110 | 3RT2035 | 40 | 3RU2146-4JB0 | 45 ... 63 ** | 3RP15 |
| 55 | 96 | 55.4 | 3RV2341-4MC10 | 100 | 3RT1054 | 115 | 3RT2037 | 65 | 3RU2146-4JB0 | 45 ... 63 | 3RP15 |
| 55 | 96 | 55.4 | 3VL2710-1DK36-0AA0 | 100 | 3RT1054 | 115 | 3RT2037 | 65 | 3RU2146-4JB0 | 45 ... 63 | 3RP15 |
| 75 | 131 | 75.6 | 3VL2716-1DK36-0AA0 | 160 | 3RT1055 | 150 | 3RT2037 | 65 | 3RU2146-4LB0 | 70 ... 90 | 3RP15 |
| 90 | 156 | 90.1 | 3VL3725-1DK36-0AA0 | 250 | 3RT1056 | 185 | 3RT2037 | 65 | 3RU2156-5BB10-8K | 70 ... 100 | 3RP15 |
| 110 | 195 | 113 | 3VL3725-1DK36-0AA0 | 250 | 3RT1064 | 225 | 3RT1054 | 115 | 3RU2156-5CB10-8K | 90 ... 125 | 3RP15 |
| 132 | 230 | 133 | 3VL3725-1DK36-0AA0 | 250 | 3RT1065 | 265 | 3RT1054 | 115 | 3RU2156-5DB10-8K | 110 ... 160 | 3RP15 |
| 160 | 280 | 162 | 3VL4731-1DK36-0AA0 | 315 | 3RT1066 | 300 | 3RT1054 | 115 | 3RU2156-5EB10-8K | 140 ... 200 | 3RP15 |
| 200 | 350 | 202 | 3VL5750-1DK36-0AA0 | 500 | 3RT1075 | 400 | 3RT1064 | 225 | 3RU2166-5FB10-8K | 180 ... 250 | 3RP15 |
| 250 | 430 | 248 | 3VL5750-1DK36-0AA0 | 500 | 3RT1076 | 500 | 3RT1065 | 265 | 3RU2166-5GB10-8K | 220 ... 320 | 3RP15 |

** Starting current up to 780A

Fuse protected selection type 2, Iq = 50kA, IS/IEC:60947-4-1 (3KL with 3RT & 3RU)

Suitable for IE2 motors

- The selection is valid only for complete Siemens combinations i.e. SDF + DIN Fuse + Contactor + Bi-Relay (+ timer).
- In case this combination is changed to accommodate another brand/rating of SDF/DIN Fuse/Contactor/BMR, it shall be the responsibility of the person making such a change to assure type 2 performance.
- Selection is for normal starting conditions (class 10 feeder). (For heavy starting applications e.g. ID/FD fans, reciprocating compressor, ball mills etc., please consult Siemens.)
- The electronic star-delta timer type 3RP should be used in star-delta feeders.
- SDF: Switch Disconnecter Fuse. All fuses are DIN HRC type.
- Tested Type 2 combinations
- Low LCC = Low Life Cycle Cost

Direct-on-line feeder, for Low LCC

| SL Motor | | SDF | | Fuse | | Contactor | | Bi-Relay | |
|------------------------|---------------------|--------|-----|------------|------|-----------|-------------|------------------|---------------|
| kW 415V, 3ph, 50/60 Hz | I _L Amps | Type | Amp | Type | Amps | Type | Rating Amps | Type | Set-Range Amp |
| 0.37 | 1 | 3KL811 | 20 | 3NA78040RC | 4 | 3RT2015 | 7 | 3RU2116-0KB0 | 0.9 ... 1.25 |
| 0.55 | 1.3 | 3KL811 | 20 | 3NA78040RC | 4 | 3RT2015 | 7 | 3RU2116-1AB0 | 1.1 ... 1.6 |
| 0.75 | 1.9 | 3KL811 | 20 | 3NA78010RC | 6 | 3RT2015 | 7 | 3RU2116-1BB0 | 1.4 ... 2 |
| 1.1 | 2.6 | 3KL811 | 20 | 3NA78010RC | 6 | 3RT2015 | 7 | 3RU2116-1DB0 | 2.2 ... 3.2 |
| 1.5 | 3.7 | 3KL811 | 20 | 3NA78030RC | 10 | 3RT2015 | 7 | 3RU2116-1EB0 | 2.8 ... 4 |
| 2.2 | 4.8 | 3KL811 | 20 | 3NA78050RC | 16 | 3RT2015 | 7 | 3RU2116-1GB0 | 4.5 ... 6.3 |
| 3.7 | 7.8 | 3KL811 | 20 | 3NA78070RC | 20 | 3RT2023 | 9 | 3RU2126-1JB0 | 7...10 |
| 5.5 | 11.2 | 3KL812 | 32 | 3NA78100RC | 25 | 3RT2024 | 12 | 3RU2126-1KB0 | 9 ... 12.5 |
| 7.5 | 16 | 3KL812 | 32 | 3NA78120RC | 32 | 3RT2025 | 17 | 3RU2126-4AB0 | 11 ... 16 |
| 11 | 20.8 | 3KL815 | 63 | 3NA78200RC | 50 | 3RT2026 | 25 | 3RU2126-4DB0 | 20 ... 25 |
| 15 | 28 | 3KL815 | 63 | 3NA78220RC | 63 | 3RT2027 | 32 | 3RU2126-4EB0 | 27 ... 32 |
| 18.5 | 34 | 3KL821 | 100 | 3NA78240RC | 80 | 3RT2035 | 40 | 3RU2136-4FB0 | 28 ... 40 |
| 22 | 40 | 3KL821 | 100 | 3NA78240RC | 80 | 3RT2036 | 50 | 3RU2136-4GB0 | 36 ... 45 |
| 30 | 53 | 3KL821 | 100 | 3NA78300RC | 100 | 3RT2037 | 65 | 3RU2136-4QB0 | 47 ... 57 |
| 37 | 65 | 3KL822 | 125 | 3NA78320RC | 125 | 3RT2038 | 80 | 3RU2136-4KB0 | 62 ... 73 |
| 45 | 78 | 3KL822 | 125 | 3NA78320RC | 125 | 3RT2038 | 80 | 3RU2136-4RB0 | 70 ... 80 |
| 55 | 96 | 3KL823 | 160 | 3NA78360RC | 160 | 3RT1054 | 115 | 3RU2146-4MB0 | 80 ... 100 |
| 75 | 132 | 3KL831 | 200 | 3NA71400RC | 200 | 3RT1055 | 150 | 3RU2156-5DB10-8K | 110 ... 160 |
| 90 | 160 | 3KL832 | 250 | 3NA71440RC | 250 | 3RT1056 | 185 | 3RU2156-5EB10-8K | 140 ... 200 |
| 110 | 195 | 3KL832 | 250 | 3NA71440RC | 250 | 3RT1064 | 225 | 3RU2166-5FB10-8K | 180 ... 250 |
| 132 | 230 | 3KL833 | 315 | 3NA72520RC | 315 | 3RT1065 | 265 | 3RU2166-5FB10-8K | 180 ... 250 |
| 160 | 280 | 3KL834 | 400 | 3NA72600RC | 400 | 3RT1066 | 300 | 3RU2166-5GB10-8K | 220 ... 320 |
| 200 | 350 | 3KL841 | 500 | 3NA33650RC | 500 | 3RT1075 | 400 | 3RU2176-5HB10-8K | 280 ... 400 |
| 250 | 430 | 3KL841 | 500 | 3NA33650RC | 500 | 3RT1076 | 500 | 3RU2176-5JB10-8K | 350 ... 500 |

Star-Delta feeder, for Low LCC

| SL Motor | | | SDF | | HRC Fuses | | Contactor Line/Delta | | Contactor Star | | Bi-Relay | | Timer |
|------------------------|---------------------|----------------------|--------|-------------|------------|-------------|----------------------|-------------|----------------|-------------|------------------|---------------|-------|
| kW 415V, 3ph, 50/60 Hz | I _L Amps | I _{Ph} Amps | Type | Rating Amps | Type | Rating Amps | Type | Rating Amps | Type | Rating Amps | Type | Set-Range Amp | Type |
| 4 | 7.8 | 4.5 | 3KL811 | 20 | 3NA78030RC | 10 | 3RT2023 | 9 | 3RT2023 | 9 | 3RU2126-1FB0 | 3.5 ... 5 | 3RP15 |
| 5.5 | 11.2 | 6.5 | 3KL811 | 20 | 3NA78050RC | 16 | 3RT2023 | 9 | 3RT2023 | 9 | 3RU2126-1HB0 | 5.5 ... 8 | 3RP15 |
| 7.5 | 16 | 9.2 | 3KL811 | 20 | 3NA78070RC | 20 | 3RT2024 | 12 | 3RT2023 | 9 | 3RU2126-1JB0 | 7 ... 10 | 3RP15 |
| 11 | 20.8 | 12 | 3KL812 | 32 | 3NA78100RC | 25 | 3RT2024 | 12 | 3RT2023 | 9 | 3RU2126-1KB0 | 9 ... 12.5 | 3RP15 |
| 15 | 28 | 16.2 | 3KL812 | 32 | 3NA78120RC | 32 | 3RT2026 | 25 | 3RT2025 | 17 | 3RU2126-4BB0 | 14 ... 20 | 3RP15 |
| 18.5 | 34 | 19.7 | 3KL815 | 63 | 3NA78200RC | 50 | 3RT2027 | 32 | 3RT2026 | 25 | 3RU2126-4CB0 | 17 ... 22 | 3RP15 |
| 22 | 40 | 23.2 | 3KL815 | 63 | 3NA78200RC | 63 | 3RT2035 | 40 | 3RT2026 | 25 | 3RU2136-4DB0 | 18 ... 25 | 3RP15 |
| 30 | 53 | 30.6 | 3KL821 | 100 | 3NA78220RC | 80 | 3RT2035 | 40 | 3RT2026 | 25 | 3RU2136-4EB0 | 22 ... 32 | 3RP15 |
| 37 | 65 | 37.5 | 3KL821 | 100 | 3NA78240RC | 80 | 3RT2035 | 40 | 3RT2027 | 32 | 3RU2136-4FB0 | 28 ... 40 | 3RP15 |
| 45 | 78 | 45 | 3KL821 | 100 | 3NA78300RC | 100 | 3RT2036 | 50 | 3RT2028 | 40 | 3RU2136-4HB0 | 40 ... 50 | 3RP15 |
| 55 | 96 | 55.4 | 3KL821 | 100 | 3NA78300RC | 100 | 3RT2037 | 65 | 3RT2035 | 40 | 3RU2136-4JB0 | 54 ... 65 | 3RP15 |
| 75 | 131 | 75.6 | 3KL823 | 160 | 3NA78360RC | 160 | 3RT2038 | 80 | 3RT2037 | 65 | 3RU2136-4RB0 | 70 ... 80 | 3RP15 |
| 90 | 156 | 90 | 3KL823 | 160 | 3NA78360RC | 160 | 3RT2046 | 95 | 3RT2038 | 80 | 3RU2146-4LB0 | 70 ... 90 | 3RP15 |
| 110 | 195 | 113 | 3KL831 | 200 | 3NA71400RC | 200 | 3RT1054 | 115 | 3RT1054 | 115 | 3RU2156-5CB10-8K | 90 ... 125 | 3RP15 |
| 132 | 230 | 133 | 3KL832 | 250 | 3NA71440RC | 250 | 3RT1055 | 150 | 3RT1054 | 115 | 3RU2156-5DB10-8K | 110 ... 160 | 3RP15 |
| 160 | 280 | 162 | 3KL833 | 315 | 3NA72520RC | 315 | 3RT1056 | 185 | 3RT1054 | 115 | 3RU2156-5EB10-8K | 140 ... 200 | 3RP15 |
| 200 | 350 | 202 | 3KL834 | 400 | 3NA72600RC | 400 | 3RT1064 | 225 | 3RT1056 | 185 | 3RU2166-5FB10-8K | 180 ... 250 | 3RP15 |
| 250 | 430 | 248 | 3KL841 | 500 | 3NA33650RC | 500 | 3RT1065 | 265 | 3RT1065 | 265 | 3RU2166-5GB10-8K | 220 ... 320 | 3RP15 |

Available till stocks last

4 pole contactors - (with 4NO main contacts)

with AC coils

| Contactor size | Rated current I _e (A) AC1, 415V | Auxiliary Contacts | | Type ^{2)*} | Unit LP ₹ | Std. pkg. (nos.) |
|----------------|--|--------------------|----|---------------------|-----------|------------------|
| | | NO | NC | | | |
| 2 | 60 | - | - | 3RT1336-1A..0 | 8120.- | 1 |
| 3 | 90 | - | - | 3RT1343-1A..0 | 13825.- | 1 |
| | 110 | - | - | 3RT1344-1A..0 | 15795.- | 1 |
| | 140 | - | - | 3RT1346-1A..0 | 20380.- | 1 |

4 Pole Power Contactors (with 2NO+2NC power contacts)

| Size | AC-1 rating operational current I _e upto 415V A | AC Coil ²⁾ | | | DC Coil ⁵⁾ | | |
|------|--|-----------------------|-----------|------------------|-----------------------|-----------|------------------|
| | | Type* | Unit LP ₹ | Std. pkg. (nos.) | Type | Unit LP ₹ | Std. pkg. (nos.) |
| S2 | 55 | 3RT1535-1A..0 | 11330.- | 1 | 3RT1535-1B..0 | 14500.- | 1 |

²⁾ AC coil voltage - Please enter coil codes from table below

| Code | B0 | F0 | P0 |
|-------------------------|----|-----|-----|
| Coil voltage (V) (50Hz) | 24 | 110 | 230 |

⁵⁾ DC coil voltage

| Code | B4 | F4 | M4 |
|------------------|----|-----|-----|
| Coil voltage (V) | 24 | 110 | 220 |

Reversing contactor Assemblies - 3RA.3

| Size | AC-3 operational current I _e upto 415V | Motor rating at 415V, 50Hz | AC Coil | | | | DC Coil | | | | | | | | | |
|------|---|----------------------------|--|--------------------|-----------|------------------|---|--------------------|-----------|------------------|---------|------|----|--------------------|---------|---|
| | | | Rated control supply voltage U _s at 50/60Hz | Type | Unit LP ₹ | Std. pkg. (nos.) | Rated control supply voltage U _s | Type | Unit LP ₹ | Std. pkg. (nos.) | | | | | | |
| | | | | | | | | | | | V AC | V DC | | | | |
| S2 | 50 | 22 | 110 | 3RA1336-8XB30-1AG2 | 29770.- | 1 | 24 | 3RA1336-8XB30-1BB4 | 41950.- | 1 | | | | | | |
| | 50 | 22 | 2300 | 3RA1336-8XB30-1AL2 | | | | | | | | | | | | |
| S3 | 65 | 30 | 110 | 3RA1344-8XB30-1AG2 | 40570.- | 1 | 24 | 3RA1344-8XB30-1BB4 | 48180.- | 1 | | | | | | |
| | | | 230 | 3RA1344-8XB30-1AL2 | | | | | | | | | | | | |
| | 80 | 37 | 110 | 3RA1345-8XB30-1AG2 | | | | | | | 48730.- | 1 | 24 | 3RA1345-8XB30-1BB4 | 60620.- | 1 |
| | | | 230 | 3RA1345-8XB30-1AL2 | | | | | | | | | | | | |
| S3 | 95 | 45 | 230 | 3RA1346-8XB30-1AL2 | 56625.- | 1 | 24 | 3RA1346-8XB30-1BB4 | 69560.- | 1 | | | | | | |

Reversing contactor assembly are also available as "ready to assemble kit" please refer page no. 23

Star Delta Contactor Assemblies - 3RA.4

Screw terminals

| Size | AC-3 operational current I _e upto 415V | Motor rating at 415V, 50Hz | AC Coil | | | | DC Coil | | | |
|----------|---|----------------------------|--|--------------------|-----------|------------------|---|--------------------|-----------|------------------|
| | | | Rated control supply voltage U _s at 50/60Hz ¹⁾ | Type | Unit LP ₹ | Std. pkg. (nos.) | Rated control supply voltage U _s | Type | Unit LP ₹ | Std. pkg. (nos.) |
| | | | | | | | | | | |
| S2-S2-S0 | 50/65 | 22/30 | 230 | 3RA1434-8XC21-1AL2 | 25720.- | 1 | 24 | 3RA1434-8XC21-1BB4 | 40505.- | 1 |
| S2-S2-S2 | 80 | 37 | 230 | 3RA1435-8XC21-1AL2 | 36045.- | 1 | 24 | 3RA1435-8XC21-1BB4 | 48175.- | 1 |
| | 86 | 45 | 230 | 3RA1436-8XC21-1AL2 | 42135.- | 1 | 24 | 3RA1436-8XC21-1BB4 | 58940.- | 1 |
| S2-S3-S2 | 150 | 75 | 230 | 3RA1445-8XC21-1AL2 | 66850.- | 1 | 24 | 3RA1445-8XC21-1BB4 | 83060.- | 1 |

Available till stocks last

Spares for 3TK5 AC1 duty contactors

Contact kits

| Spare contact kit for | Type | Unit LP ₹ | Std. pkg. (nos.) |
|-----------------------|-------------|-----------|------------------|
| 3TK50 02-0A.. | 3TY7500-0KA | 8085.- | 1 |
| 3TK52 02-0A.. | 3TY7520-0KA | 13050.- | 1 |
| 3TK54 02-0A.. | 3TY7540-0KA | 16475.- | 1 |
| 3TK56 02-0A.. | 3TY7560-0KA | 25630.- | 1 |

Thermistor motor protection relay

| Type of Thermistor | Reset | Contacts | Control supply voltage | Type | Unit LP ₹ | Std. pkg. (nos.) |
|--------------------|-------|----------|------------------------|---------------|-----------|------------------|
| PTC type A | Auto | 1 CO | 230V AC | 3RN1000-1AM00 | 5825.- | 1 |
| | | | 24V AC/DC | 3RN1000-1AB00 | | 1 |
| | | | 110V AC | 3RN1000-1AG00 | | 1 |

Microprocessor based overload relay - 3RB20 and 3RB21

| Size | Relay range A | 3RB20 (Class 10) | | 3RB20 (Class 20) | | 3RB20 (Class Adj. 5 to 30) | | Std. pkg. (nos.) |
|------|---------------|------------------|-----------|------------------|-----------|----------------------------|-----------|------------------|
| | | Type* | Unit LP ₹ | Type | Unit LP ₹ | Type | Unit LP ₹ | |
| S2 | 6 to 25A | 3RB2036-1QW1# | 4675.- | 3RB2036-2QW1# | 5825.- | 3RB2133-4QW1# | 9205.- | 1 |
| | 6 to 25A | 3RB2036-1QB0 | 4940.- | 3RB2036-2QB0 | 5825.- | 3RB2133-4QB0 | 9120.- | 1 |
| | 12.5 to 50A | 3RB2036-1UB0 | 6550.- | 3RB2036-2UB0 | 8165.- | 3RB2133-4UB0 | 10495.- | 1 |
| | 13 to 50A | 3RB2036-1UW1# | 6550.- | 3RB2036-2UW1# | 8165.- | 3RB2133-4UW1# | 11125.- | 1 |
| S3 | 12.5 to 50 | 3RB2046-1UB0 | 7435.- | 3RB2046-2UB0 | 9300.- | 3RB2143-4UB0 | 13355.- | 1 |
| | 25 to 100 | 3RB2046-1EB0 | 9185.- | 3RB2046-2EB0 | 12065.- | 3RB2143-4EB0 | 13355.- | 1 |
| | 25 to 100 | 3RB2046-1EW1 | 9645.- | 3RB2046-2EW1 | 12065.- | 3RB2143-4EW1 | 13485.- | 1 |

Thermal Overload Relays - 3RU11 (S2, S3)

Direct Mounting - Class 10

| Size of relay / contactor | Relay range A | Type | Unit LP ₹ | Std. pkg. (nos.) | |
|---------------------------|---------------|--------------|-----------|------------------|---|
| S2 | 5.5 ... 8 | 3RU1136-1HB0 | 3720.- | 1 | |
| | 7 ... 10 | 3RU1136-1JB0 | | 1 | |
| | 9 ... 12.5 | 3RU1136-1KB0 | | 1 | |
| | 11 ... 16 | 3RU1136-4AB0 | | 1 | |
| | 14 ... 20 | 3RU1136-4BB0 | | 1 | |
| | 18 ... 25 | 3RU1136-4DB0 | | 1 | |
| | 22 ... 32 | 3RU1136-4EB0 | | 1 | |
| | 28 ... 40 | 3RU1136-4FB0 | | 1 | |
| | 36 ... 45 | 3RU1136-4GB0 | | 4455.- | 1 |
| | 40 ... 50 | 3RU1136-4HB0 | | 4455.- | 1 |
| S3 | 28 ... 40 | 3RU1146-4FB0 | 5780.- | 1 | |
| | 36 ... 50 | 3RU1146-4HB0 | | 1 | |
| | 45 ... 63 | 3RU1146-4JB0 | 6135.- | 1 | |
| | 57 ... 75 | 3RU1146-4KB0 | | 1 | |
| | 70 ... 90 | 3RU1146-4LB0 | | 6400.- | 1 |
| | 80 ... 100 | 3RU1146-4MB0 | | 8375.- | 1 |

Accessory for independent mounting

| For size of relay | Relay type | Type | Unit LP ₹ | Std. pkg. (nos.) |
|-------------------|------------|---------------|-----------|------------------|
| S2 | 3RU1 | 3RU1936-3AA01 | 900.- | 1 |
| S3 | 3RU1 | 3RU1946-3AA01 | 1060.- | 1 |
| S00 | 3RB2 | 3RB2913-0AA1 | 535.- | 1 |
| S0 | 3RU1 | 3RB2923-0AA1 | 535.- | 1 |

Available till stocks last

Motor protection circuit breakers - 3RV1 (S00, S0, S2)

MPCBs for motor and plant protection upto 100kA

| MPCB overload range A | MPCB with Standard release ¹⁾ | | MPCB with "relay function" ²⁾ | | MPCB with "Mag only" Release ³⁾ | | Std. pkg. (nos.) | |
|-----------------------|--|---------------|--|---------------|--|-----------|------------------|--------|
| | Type* Size S0 | Unit LP ₹ | Type* Size S0 | Unit LP ₹ | Type* Size S0 | Unit LP ₹ | | |
| 0.11...0.16 | 3RV1021-0AA10 | 6170.- | 3RV1121-0AA10 | 8805.- | 3RV1321-0AC10 | 6400.- | 1 | |
| 0.14 ... 0.2 | 3RV1021-0BA10 | 6520.- | 3RV1121-0BA10 | | 3RV1321-0BC10 | | 1 | |
| 0.18...0.25 | 3RV1021-0CA10 | | 3RV1121-0CA10 | | 3RV1321-0CC10 | | 1 | |
| 0.22 ... 0.32 | 3RV1021-0DA10 | | 3RV1121-0DA10 | | 3RV1321-0DC10 | | 1 | |
| 0.28...0.4 | 3RV1021-0EA10 | | 3RV1121-0EA10 | | 3RV1321-0EC10 | | 1 | |
| 0.35 ... 0.5 | 3RV1021-0FA10 | | 3RV1121-0FA10 | | 3RV1321-0FC10 | | 1 | |
| 0.45...0.63 | 3RV1021-0GA10 | | 3RV1121-0GA10 | | 3RV1321-0GC10 | | 1 | |
| 0.55 ... 0.8 | 3RV1021-0HA10 | | 3RV1121-0HA10 | | 8000.- | | 3RV1321-0HC10 | 1 |
| 0.7...1 | 3RV1021-0JA10 | | 3RV1121-0JA10 | | 8805.- | | 3RV1321-0JC10 | 1 |
| 0.9 ... 1.25 | 3RV1021-0KA10 | | 3RV1121-0KA10 | | 9220.- | | 3RV1321-0KC10 | 6785.- |
| 1.1...1.6 | 3RV1021-1AA10 | | 3RV1121-1AA10 | 3RV1321-1AC10 | | 1 | | |
| 1.4 ... 2 | 3RV1021-1BA10 | 3RV1121-1BA10 | 3RV1321-1BC10 | 1 | | | | |
| 1.8...2.5 | 3RV1021-1CA10 | 3RV1121-1CA10 | 3RV1321-1CC10 | 1 | | | | |
| 2.2 ... 3.2 | 3RV1021-1DA10 | 3RV1121-1DA10 | 3RV1321-1DC10 | 1 | | | | |
| 2.8...4 | 3RV1021-1EA10 | 3RV1121-1EA10 | 3RV1321-1EC10 | 1 | | | | |
| 3.5 ... 5 | 3RV1021-1FA10 | 3RV1121-1FA10 | 3RV1321-1FC10 | 1 | | | | |
| 4.5 ... 6.3 | 3RV1021-1GA10 | 3RV1121-1GA10 | 3RV1321-1GC10 | 1 | | | | |
| 5.5 ... 8 | 3RV1021-1HA10 | 3RV1121-1HA10 | 8900.- | 3RV1321-1HC10 | | 1 | | |
| 7 ... 10 | 3RV1021-1JA10 | 3RV1121-1JA10 | 8900.- | 3RV1321-1JC10 | | 1 | | |
| 9 ... 12 | 3RV1021-1KA10 | 3RV1121-1KA10 | 8900.- | 3RV1321-1KC10 | 1 | | | |
| 10 ... 16 | 3RV1021-4AA10 | 3RV1121-4AA10 | 8900.- | 3RV1321-4AC10 | 1 | | | |
| 14 ... 20 | 3RV1021-4BA10 | 3RV1121-4BA10 | 11125.- | 3RV1321-4BC10 | 8400.- | 1 | | |
| 17 ... 22 | 3RV1021-4CA10 | 3RV1121-4CA10 | | 3RV1321-4CC10 | | 1 | | |
| 20 ... 25 | 3RV1021-4DA10 | 3RV1121-4DA10 | | 3RV1321-4DC10 | | 1 | | |

| MPCB overload range A | MPCB with Standard release ¹⁾ | | MPCB with "relay function" ²⁾ | | MPCB with "Mag only" Release ³⁾ | | Std. pkg. (nos.) |
|-----------------------|--|---------------|--|---------------|--|-----------|------------------|
| | Type* Size S2 | Unit LP ₹ | Type* Size S2 | Unit LP ₹ | Type* Size S2 | Unit LP ₹ | |
| 11 ... 16 | 3RV1031-4AA10 | 12040.- | 3RV1131-4AA10 | 20495.- | 3RV1331-4AC10 | 17045.- | 1 |
| 14 ... 20 | 3RV1031-4BA10 | | 3RV1131-4BA10 | | 3RV1331-4BC10 | | 1 |
| 18 ... 25 | 3RV1031-4DA10 | 3RV1131-4DA10 | 3RV1331-4DC10 | | 11930.- | 1 | |
| 22 ... 32 | 3RV1031-4EA10 | 12935.- | 3RV1131-4EA10 | 3RV1331-4EC10 | 1 | | |
| 28 ... 40 | 3RV1031-4FA10 | 14245.- | 3RV1131-4FA10 | 22585.- | 3RV1331-4FC10 | 13270.- | 1 |
| 36 ... 45 | 3RV1031-4GA10 | 17405.- | 3RV1131-4GA10 | 23715.- | 3RV1331-4GC10 | 1 | |
| 40 ... 50 | 3RV1031-4HA10 | | 3RV1131-4HA10 | | 3RV1331-4HC10 | 16435.- | 1 |

- 1) MPCB trips on SC and also on OL
- 2) MPCB trips on SC and opens contactor on OL
- 3) MPCB trips on SC



Continuously adding value to your application

Discontinued


| Product | Type No. |
|--------------------------------|-------------------|
| 3RH21 Contactor Relays | 3RH1140-1A..0 |
| | 3RH1131-1A..0 |
| | 3RH1122-1A..0 |
| | 3RH1140-1B..0 |
| | 3RH1131-1B..0 |
| | 3RH1122-1B..0 |
| 3RT101 S00 Power Contactor | 3RT1015 - 3RT1018 |
| 3RT102 S0 Power Contactor | 3RT1023 - 3RT1026 |
| 3RT103 S2 Power Contactor | 3RT1034 - 3RT1036 |
| Auxiliary Contact Blocks (S00) | 3RH1911-1FA20 |
| | 3RH1911-1FA11 |
| | 3RH1911-1FA02 |
| | 3RH1911-1FA40 |
| | 3RH1911-1FA31 |
| | 3RH1911-1FA22 |
| | 3RH1911-1FC22 |
| | 3RH1911-1FB22 |
| | 3RH1911-1AA10 |
| | 3RH1911-1AA01 |


| Product | Type No. |
|---|---------------------------------------|
| 3RA1 Load Feeders, Link modules | 3RA1911-1AA00 |
| | 3RA1921-1DA00 |
| | 3RA1921-1AA00 |
| | 3RA1921-1BA00 |
| | 3RA1922-1AA00 |
| Surge Suppressors 3RT1/3RH1 (S00) | 3RT1916-1JJ00 |
| | 3RT1916-1JK00 |
| | 3RT1916-1JL00 |
| | 3RT1916-1JP00 |
| | 3RT1916-1CB00 |
| | 3RT1916-1CC00 |
| | 3RT1916-1CD00 |
| | 3RT1916-1EH00 |
| 3RT1916-1LM00 | |
| 3RT1916-1GA00 | |
| 7PV0 Multifunction timer | 7PV0722-1BV20 |
| Microprocessor based overload relay - 3RB20 and 3RB21 Size S00 & S0 | 3RB2016 / 3RT2026 / 3RB2113 / 3RB2123 |
| Thermal Overload Relays - 3RU11 (S00, S0) | 3RU1116/3RU1126 |
| Old Raja Starter | 3TW4290-1A.. |
| Old ASD Starter | 3TE0290-0A.. |


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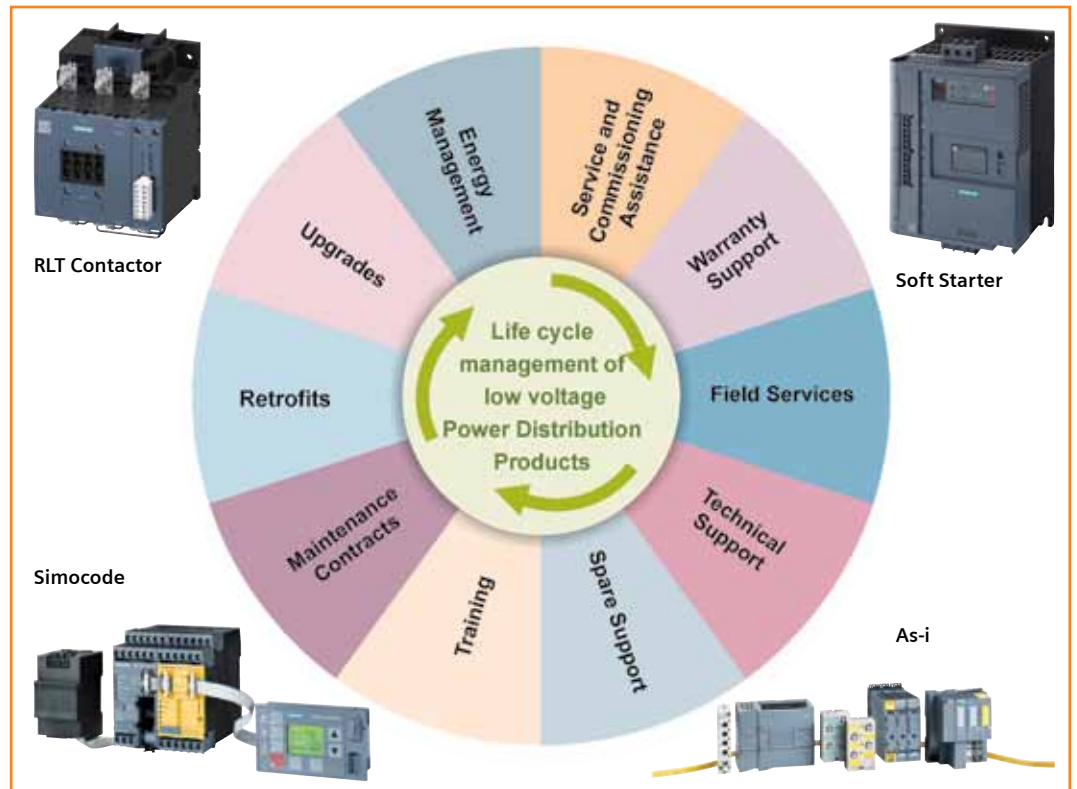
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Note

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- List Prices (LPs) mentioned are exclusive of all taxes.
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(including Training Service Providers, TSPs)

| Title | Days |
|---|------------|
| Training Programmes on Automation | |
| SIMATIC S71200 with TIA V15 | 5 |
| SIMATIC S7300 with STEP7 V5.x Basic | 5 |
| SIMATIC S7400 with STEP7 V5.x Basic | 5 |
| SIMATIC WinCC Explorer V7.x Basic | 5 |
| SIMATIC WinCC Explorer V7.x Advance | 3 |
| SIMATIC WinCC (TIA Portal) Professional V15 | 5 |
| SIMATIC S71500 with TIA V15 Basic | 5 |
| SIMATIC S71500 with TIA V15 Advance | 3 |
| SIMATIC S7300 with STEP7 V5.x Advance | 3 |
| SIMATIC S7400 with STEP7 V5.x Advance | 3 |
| Networking on PROFIBUS/PROFINET with V5.x | 5 |
| Networking on PROFIBUS/PROFINET with TIA Portal V15 | 3 |
| DCS: SIMATIC PCS7 Basic | 10 |
| DCS: SIMATIC PCS7 Advance | 10 |
| SIMATIC Distributed (Machine Safety) course | 3 |
| SIMATIC Fail-safe (Process Safety) course | 3 |
| SIMATIC Industrial Identification | 3 |
| SIMATIC Industrial Communication | 2 |
| Industrial Networking | 3 |
| SCL with STEP7 Classic V5.6 | On Request |
| SCL with TIA Portal V15 | |
| PCS7 CEMAT | |

| Title | Days |
|---|------------|
| S7Graph with STEP7 Classic V5.6 | On Request |
| S7Graph with TIA Portal V15 | Request |
| Training Programmes on Digitalization | |
| Digitalization Auto Engineering | 5 |
| Digitalization_Stand_SiVArc | 3 |
| Training Programmes on Process Instrumentation | |
| Process Instrumentation | 4 |
| Training Programmes on Drive | |
| G120 with STARTER | 5 |
| SINAMICS G120 with TIA Portal | 4 |
| SINAMICS G130/G150 | 6 |
| SINAMICS S120 Basic | 5 |
| SINAMICS S120 Advance | 5 |
| SINAMICS S120 Safety functions | 3 |
| SIMOTION Basic | 5 |
| SIMOTION Advance | 5 |
| SINAMICS V90 | 3 |
| SINAMICS V20 | 3 |
| SINAMICS DC Master 6RA80 | 6 |
| SINAMICS Perfect Harmony GH180 | 5 |
| Application Based Crane Training | 5 |
| Basic Course on AC/DC Drive | 5 |
| Basic AC Drive with MM4 Maintenance | 5 |

| Title | Days |
|--|------------|
| AC Drive SIMOVERT Masterdrive Vector control | 6 |
| SIMOREG DC Master 6RA70 | 6 |
| SIMOTRAS HD | 5 |
| SINAMICS GM/GL/SL | On request |
| Training Programmes on LV Switchgear | |
| LV Switchgear Products & Coordination | 4 |
| LV Switchgear Products, Distribution & Panel | 4 |
| SIMOCODE AC-Motor control | 3 |
| Basic Automation for Switchgear User | 3 |
| AC Motor Basics Control & Maintenance | 3 |
| SIRIUS Soft Starter | 2 |
| Sentron PAC Meter | 2 |
| Sentron Power Manager | On Request |
| AC MV Motor | Request |
| Training Programmes for College | |
| CU PLC | 3 |
| CU SCADA | 3 |
| CU AC/DC Drive | 4 |
| CU PI | 3 |
| CU LV Switchgear | 3 |
| CU Motor | 2 |
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Tel: +91-22-39663208
E-mail: customer.training.in@siemens.com

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Industrial Automation Training Centre
178, Phase II, Industrial Area
Panchakula -134113
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E-mail: info@iatc.in

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E-mail: hydtc@esskay.in

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Plot No.19, TTC Industrial Area
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Tel: +91-22-39154101/105
E-mail: christiani@sharplinegroup.com

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Tel: +91-8820378858
E-mail: koltc@esskay.in

STE-South-3 (Chennai)
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Tel: +91-44-42047536
E-mail: siemens@vimicrosystems.com

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E-mail: arttech.bhilai@gmail.com

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Tel: +91-422-2614400/4399
E-mail: siemens@karunya.edu

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Esskay Services
Block No. 801-802, B Wing, Techno City
Plot No. X-4/1 & X-4/2, TTC Industrial Area
Mahape, Navi Mumbai - 460710
Tel: +91-22-27788403
E-mail: mumtc@esskay.in



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www.siemens.com/iec61439

Notes



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Experience active communication

Our Switchgear can now speak and obey your commands

Face the reality of remote monitoring and controlling of our DI products. Yes, our MCBs and RCDs can now speak and obey your commands!

The Siemens solution for remote communication capability facilitates the following applications, which are inevitable in today's smart infrastructures like Data centers, Commercial Buildings, Energy Management Systems etc.

The solution covers:

- Remote Controlling (ON/OFF) of Final Distribution components (like MCBs/RCDs)
- ON/OFF Status monitoring of all modules for Final distribution products
- Fault Trip Status of components at Final Distribution level



For
Industry
Products



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Betagard 5SL MCBs – Inspiring Safety

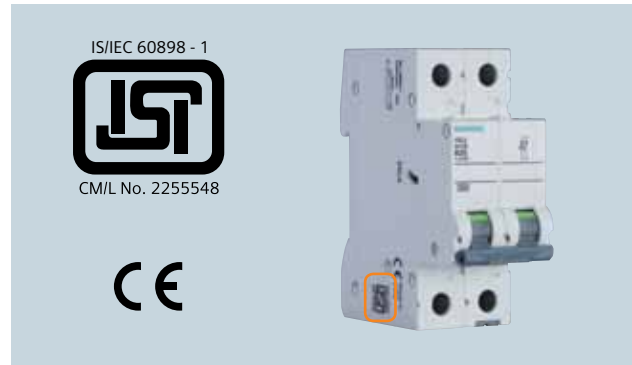
Siemens has always endeavoured to introduce innovative products worldwide.

Betagard 5SL MCBs offer numerous features -

- MCB with patented unique SLR feature
- ISI and CE marking
- Unique square terminal design
- Terminal covers for extra protection
- RoHS compliant
- Accessories for special applications
- Very low watt loss
- 20,000 operations on rated load



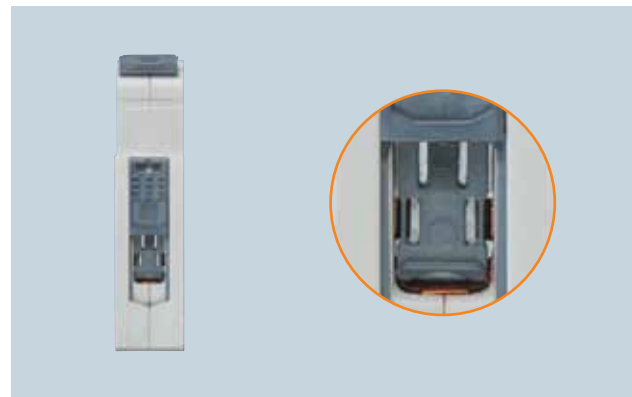
MCB with patented unique **SLR** (Slide Latch-Release) feature for tool free removal from DIN rail. It also allows individual MCB to be removed from bus bar mounted assembly without disturbing other devices



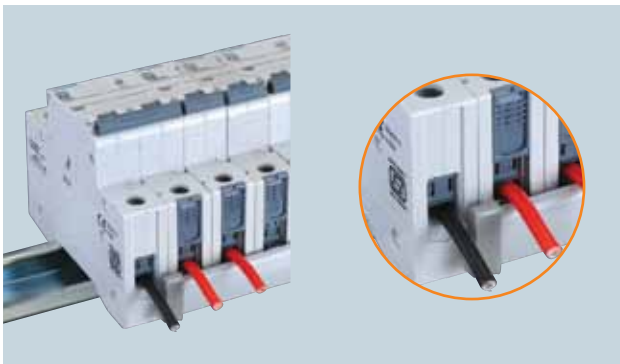
BIS approval for ISI marking as per latest ISI/IEC 60898-1:2002 for assured quality and protection



Unique design of square terminals of 35 Sq. mm



Highly effective terminal covers for protection against accidental electrical contact



Unique termination mechanism enables firm mounting of Bus bar together with wire; and provides front access to wires for safe installation



Side mounting accessories like auxiliary switches, fault signaling contacts and lever locking device available for special applications





Betagard 5SL Miniature Circuit Breakers C Characteristics

IS/IEC 60898 - 1



CML No. 2255548

- Standards: IS/IEC 60898-1:2002
- Voltage: Un 240/415V, 50...60Hz[^]
- With ISI marking: CM/L No. 2255548

| 7500A | Rated Current I_n (A) | MW [#] | Reference No | Unit MRP* ₹ | Std. Pkg. ** (Nos.) |
|---|---|-----------------|--------------|----------------|------------------------|
|  | 1P, 240/415V AC | 1 | 5SL61057RC | 349.- | 1/12 |
| | 0.5 | 1 | 5SL61017RC | 349.- | 1/12 |
| | 1 | 1 | 5SL61027RC | 349.- | 1/12 |
| | 2 | 1 | 5SL61037RC | 349.- | 1/12 |
| | 3 | 1 | 5SL61047RC | 349.- | 1/12 |
| | 4 | 1 | 5SL61067RC | 215.- | 1/12 |
| | 6 | 1 | 5SL61087RC | 215.- | 1/12 |
| | 8 | 1 | 5SL61107RC | 215.- | 1/12 |
| | 10 | 1 | 5SL61137RC | 215.- | 1/12 |
| | 13 | 1 | 5SL61167RC | 215.- | 1/12 |
| | 16 | 1 | 5SL61207RC | 215.- | 1/12 |
| | 20 | 1 | 5SL61257RC | 215.- | 1/12 |
| | 25 | 1 | 5SL61327RC | 215.- | 1/12 |
| | 32 | 1 | 5SL61407RC | 471.- | 1/12 |
| | 40 | 1 | 5SL61507RC | 547.- | 1/12 |
| 50 | 1 | 5SL61637RC | 547.- | 1/12 | |
| 63 | 1 | 5SL61637RC | 547.- | 1/12 | |
|  | 2P, 415V AC | 2 | 5SL62057RC | 923.- | 1/6 |
| | 0.5 | 2 | 5SL62017RC | 923.- | 1/6 |
| | 1 | 2 | 5SL62027RC | 923.- | 1/6 |
| | 2 | 2 | 5SL62037RC | 923.- | 1/6 |
| | 3 | 2 | 5SL62047RC | 923.- | 1/6 |
| | 4 | 2 | 5SL62067RC | 691.- | 1/6 |
| | 6 | 2 | 5SL62087RC | 691.- | 1/6 |
| | 8 | 2 | 5SL62107RC | 691.- | 1/6 |
| | 10 | 2 | 5SL62137RC | 691.- | 1/6 |
| | 13 | 2 | 5SL62167RC | 691.- | 1/6 |
| | 16 | 2 | 5SL62207RC | 691.- | 1/6 |
| | 20 | 2 | 5SL62257RC | 691.- | 1/6 |
| | 25 | 2 | 5SL62327RC | 691.- | 1/6 |
| | 32 | 2 | 5SL62407RC | 952.- | 1/6 |
| | 40 | 2 | 5SL62507RC | 1127.- | 1/6 |
| 50 | 2 | 5SL62637RC | 1127.- | 1/6 | |
| 63 | 2 | 5SL62637RC | 1127.- | 1/6 | |
|  | 3P, 415V AC | 3 | 5SL63057RC | 1295.- | 1/4 |
| | 0.5 | 3 | 5SL63017RC | 1295.- | 1/4 |
| | 1 | 3 | 5SL63027RC | 1295.- | 1/4 |
| | 2 | 3 | 5SL63047RC | 1295.- | 1/4 |
| | 4 | 3 | 5SL63067RC | 1027.- | 1/4 |
| | 6 | 3 | 5SL63107RC | 1027.- | 1/4 |
| | 10 | 3 | 5SL63167RC | 1027.- | 1/4 |
| | 16 | 3 | 5SL63207RC | 1027.- | 1/4 |
| | 20 | 3 | 5SL63257RC | 1027.- | 1/4 |
| | 25 | 3 | 5SL63327RC | 1027.- | 1/4 |
| | 32 | 3 | 5SL63407RC | 1439.- | 1/4 |
| | 40 | 3 | 5SL63507RC | 1607.- | 1/4 |
| | 50 | 3 | 5SL63637RC | 1607.- | 1/4 |
| | 63 | 3 | 5SL63637RC | 1607.- | 1/4 |
| |  | 4P, 415V AC | 4 | 5SL64057RC | 1788.- |
| 0.5 | | 4 | 5SL64017RC | 1788.- | 1/3 |
| 1 | | 4 | 5SL64027RC | 1788.- | 1/3 |
| 2 | | 4 | 5SL64047RC | 1788.- | 1/3 |
| 4 | | 4 | 5SL64067RC | 1422.- | 1/3 |
| 6 | | 4 | 5SL64107RC | 1422.- | 1/3 |
| 10 | | 4 | 5SL64167RC | 1422.- | 1/3 |
| 16 | | 4 | 5SL64207RC | 1422.- | 1/3 |
| 20 | | 4 | 5SL64257RC | 1422.- | 1/3 |
| 25 | | 4 | 5SL64327RC | 1422.- | 1/3 |
| 32 | | 4 | 5SL64407RC | 1853.- | 1/3 |
| 40 | | 4 | 5SL64507RC | 2126.- | 1/3 |
| 50 | | 4 | 5SL64637RC | 2126.- | 1/3 |
| 63 | | 4 | 5SL64637RC | 2126.- | 1/3 |

■ Stock items

Note:

* MRP - Maximum Retail Price





1MW (Module Width) = 18mm

** Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

^ Suitable for DC networks in Telecom application; 60V DC for 1P & 110V DC for 2P (contact sales office for connection diagram)

Betagard 5SL Miniature Circuit Breakers B Characteristics

- Standards: IS/IEC 60898-1:2002
- Voltage: Un 240/415V, 50...60Hz
- With ISI marking: CM/L No. 2255548

| 7500A | Rated Current I_n (A) | MW# | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) |
|--|----------------------------|-----|--------------|----------------|-----------------------|
| 1P, 240/415V AC  | 6 | 1 | 5SL61066RC | 210.- | 1/12 |
| | 10 | | 5SL61106RC | 210.- | 1/12 |
| | 16 | | 5SL61166RC | 210.- | 1/12 |
| | 20 | | 5SL61206RC | 210.- | 1/12 |
| | 25 | | 5SL61256RC | 210.- | 1/12 |
| | 32 | | 5SL61326RC | 210.- | 1/12 |
| | 40 | | 5SL61406RC | 469.- | 1/12 |
| | 50 | | 5SL61506RC | 526.- | 1/12 |
| | 63 | | 5SL61636RC | 526.- | 1/12 |
| 2P, 415V AC  | 6 | 2 | 5SL62066RC | 675.- | 1/6 |
| | 10 | | 5SL62106RC | 675.- | 1/6 |
| | 16 | | 5SL62166RC | 675.- | 1/6 |
| | 20 | | 5SL62206RC | 675.- | 1/6 |
| | 25 | | 5SL62256RC | 675.- | 1/6 |
| | 32 | | 5SL62326RC | 675.- | 1/6 |
| | 40 | | 5SL62406RC | 952.- | 1/6 |
| | 50 | | 5SL62506RC | 1119.- | 1/6 |
| | 63 | | 5SL62636RC | 1119.- | 1/6 |
| 3P, 415V AC  | 6 | 3 | 5SL63066RC | 1027.- | 1/4 |
| | 10 | | 5SL63106RC | 1027.- | 1/4 |
| | 16 | | 5SL63166RC | 1027.- | 1/4 |
| | 20 | | 5SL63206RC | 1027.- | 1/4 |
| | 25 | | 5SL63256RC | 1027.- | 1/4 |
| | 32 | | 5SL63326RC | 1027.- | 1/4 |
| | 40 | | 5SL63406RC | 1420.- | 1/4 |
| | 50 | | 5SL63506RC | 1592.- | 1/4 |
| | 63 | | 5SL63636RC | 1592.- | 1/4 |
| 4P, 415V AC  | 6 | 4 | 5SL64066RC | 1413.- | 1/3 |
| | 10 | | 5SL64106RC | 1413.- | 1/3 |
| | 16 | | 5SL64166RC | 1413.- | 1/3 |
| | 20 | | 5SL64206RC | 1413.- | 1/3 |
| | 25 | | 5SL64256RC | 1413.- | 1/3 |
| | 32 | | 5SL64326RC | 1413.- | 1/3 |
| | 40 | | 5SL64406RC | 1763.- | 1/3 |
| | 50 | | 5SL64506RC | 2120.- | 1/3 |
| | 63 | | 5SL64636RC | 2120.- | 1/3 |

■ Stock items

Note:

* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm

** Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details



Betagard Miniature Circuit Breakers


5SL4, 10kA with C characteristics

IS/IEC 60898 - 1



CML No. 2255548

- Standards: IS/IEC 60898-1:2002
- Voltage: Un 240/415V, 50...60Hz[^]
- Breaking capacity: 10kA as per IS/IEC 60898-1:2002
- With ISI marking: CM/L No. 2255548

| 10000A | Rated Current I_n (A) | MW [#] | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) | |
|---|----------------------------|-----------------|--------------|----------------|-----------------------|------|
|  | 1P, 240/415V AC | 0.5 | 1 | 5SL41057RC | 404.- | 1/12 |
| | 2 | 2 | 5SL41027RC | 404.- | 1/12 | |
| | 3 | 3 | 5SL41037RC | 404.- | 1/12 | |
| | 4 | 4 | 5SL41047RC | 404.- | 1/12 | |
| | 6 | 6 | 5SL41067RC | 262.- | 1/12 | |
| | 8 | 8 | 5SL41087RC | 262.- | 1/12 | |
| | 10 | 10 | 5SL41107RC | 262.- | 1/12 | |
| | 13 | 13 | 5SL41137RC | 262.- | 1/12 | |
| | 16 | 16 | 5SL41167RC | 262.- | 1/12 | |
| | 20 | 20 | 5SL41207RC | 262.- | 1/12 | |
| | 25 | 25 | 5SL41257RC | 262.- | 1/12 | |
| | 32 | 32 | 5SL41327RC | 262.- | 1/12 | |
| | 40 | 40 | 5SL41407RC | 571.- | 1/12 | |
| | 50 | 50 | 5SL41507RC | 571.- | 1/12 | |
| 63 | 63 | 5SL41637RC | 571.- | 1/12 | | |
|  | 2P, 415V AC | 0.5 | 2 | 5SL42057RC | 1073.- | 1/6 |
| | 2 | 2 | 5SL42027RC | 1073.- | 1/6 | |
| | 3 | 3 | 5SL42037RC | 1073.- | 1/6 | |
| | 4 | 4 | 5SL42047RC | 1073.- | 1/6 | |
| | 6 | 6 | 5SL42067RC | 768.- | 1/6 | |
| | 8 | 8 | 5SL42087RC | 768.- | 1/6 | |
| | 10 | 10 | 5SL42107RC | 768.- | 1/6 | |
| | 13 | 13 | 5SL42137RC | 768.- | 1/6 | |
| | 16 | 16 | 5SL42167RC | 768.- | 1/6 | |
| | 20 | 20 | 5SL42207RC | 768.- | 1/6 | |
| | 25 | 25 | 5SL42257RC | 768.- | 1/6 | |
| | 32 | 32 | 5SL42327RC | 768.- | 1/6 | |
| | 40 | 40 | 5SL42407RC | 1240.- | 1/6 | |
| | 50 | 50 | 5SL42507RC | 1240.- | 1/6 | |
| 63 | 63 | 5SL42637RC | 1240.- | 1/6 | | |
|  | 3P, 415V AC | 0.5 | 3 | 5SL43057RC | 1732.- | 1/4 |
| | 2 | 2 | 5SL43027RC | 1732.- | 1/4 | |
| | 3 | 3 | 5SL43037RC | 1732.- | 1/4 | |
| | 4 | 4 | 5SL43047RC | 1732.- | 1/4 | |
| | 6 | 6 | 5SL43067RC | 1291.- | 1/4 | |
| | 8 | 8 | 5SL43087RC | 1291.- | 1/4 | |
| | 10 | 10 | 5SL43107RC | 1291.- | 1/4 | |
| | 13 | 13 | 5SL43137RC | 1291.- | 1/4 | |
| | 16 | 16 | 5SL43167RC | 1291.- | 1/4 | |
| | 20 | 20 | 5SL43207RC | 1291.- | 1/4 | |
| | 25 | 25 | 5SL43257RC | 1291.- | 1/4 | |
| | 32 | 32 | 5SL43327RC | 1291.- | 1/4 | |
| | 40 | 40 | 5SL43407RC | 1953.- | 1/4 | |
| | 50 | 50 | 5SL43507RC | 1953.- | 1/4 | |
| 63 | 63 | 5SL43637RC | 1953.- | 1/4 | | |
|  | 4P, 415V AC | 0.5 | 4 | 5SL44057RC | 2179.- | 1/3 |
| | 2 | 2 | 5SL44027RC | 2179.- | 1/3 | |
| | 3 | 3 | 5SL44037RC | 2179.- | 1/3 | |
| | 4 | 4 | 5SL44047RC | 2179.- | 1/3 | |
| | 6 | 6 | 5SL44067RC | 1788.- | 1/3 | |
| | 8 | 8 | 5SL44087RC | 1788.- | 1/3 | |
| | 10 | 10 | 5SL44107RC | 1788.- | 1/3 | |
| | 13 | 13 | 5SL44137RC | 1788.- | 1/3 | |
| | 16 | 16 | 5SL44167RC | 1788.- | 1/3 | |
| | 20 | 20 | 5SL44207RC | 1788.- | 1/3 | |
| | 25 | 25 | 5SL44257RC | 1788.- | 1/3 | |
| | 32 | 32 | 5SL44327RC | 1788.- | 1/3 | |
| | 40 | 40 | 5SL44407RC | 2439.- | 1/3 | |
| | 50 | 50 | 5SL44507RC | 2439.- | 1/3 | |
| 63 | 63 | 5SL44637RC | 2439.- | 1/3 | | |

■ Stock items

Note: * MRP - Maximum Retail Price # 1MW (Module Width) = 18mm

** Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

^ Suitable for DC networks in Telecom application; 60V DC for 1P & 110V DC for 2P (contact sales office for connection diagram)

NEW

Betagard Miniature Circuit Breakers 5SL7, with C characteristics

IS/IEC 60898 - 1



CML No. 2255548

- Standards: IS/IEC 60898-1
- Voltage: Un 240/415V, 50....60Hz
- Breaking capacity: 15kA¹⁾ as per IS/IEC 60898-1

| | Rated Current I_n (A) | MW# | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) |
|---|----------------------------|-----|--------------|----------------|-----------------------|
| 1P, 240/415V AC | | | | | |
|  | 2 | 1 | 5SL71027RC | 465.- | 1/12 |
| | 4 | | 5SL71047RC | 465.- | 1/12 |
| | 6 | | 5SL71067RC | 400.- | 1/12 |
| | 10 | | 5SL71107RC | 400.- | 1/12 |
| | 16 | | 5SL71167RC | 400.- | 1/12 |
| | 20 | | 5SL71207RC | 400.- | 1/12 |
| | 25 | | 5SL71257RC | 400.- | 1/12 |
| | 32 | | 5SL71327RC | 400.- | 1/12 |
| | 40 | | 5SL71407RC | 575.- | 1/12 |
| | 50 | | 5SL71507RC | 575.- | 1/12 |
| | 63 | | 5SL71637RC | 575.- | 1/12 |
| 2P, 415V AC | | | | | |
|  | 2 | 2 | 5SL72027RC | 1260.- | 1/6 |
| | 4 | | 5SL72047RC | 1260.- | 1/6 |
| | 6 | | 5SL72067RC | 915.- | 1/6 |
| | 10 | | 5SL72107RC | 915.- | 1/6 |
| | 16 | | 5SL72167RC | 915.- | 1/6 |
| | 20 | | 5SL72207RC | 915.- | 1/6 |
| | 25 | | 5SL72257RC | 915.- | 1/6 |
| | 32 | | 5SL72327RC | 915.- | 1/6 |
| | 40 | | 5SL72407RC | 1250.- | 1/6 |
| | 50 | | 5SL72507RC | 1250.- | 1/6 |
| | 63 | | 5SL72637RC | 1250.- | 1/6 |
| 3P, 415V AC | | | | | |
|  | 2 | 3 | 5SL73027RC | 1930.- | 1/4 |
| | 4 | | 5SL73047RC | 1930.- | 1/4 |
| | 6 | | 5SL73067RC | 1455.- | 1/4 |
| | 10 | | 5SL73107RC | 1455.- | 1/4 |
| | 16 | | 5SL73167RC | 1455.- | 1/4 |
| | 20 | | 5SL73207RC | 1455.- | 1/4 |
| | 25 | | 5SL73257RC | 1455.- | 1/4 |
| | 32 | | 5SL73327RC | 1455.- | 1/4 |
| | 40 | | 5SL73407RC | 2030.- | 1/4 |
| | 50 | | 5SL73507RC | 2030.- | 1/4 |
| | 63 | | 5SL73637RC | 2030.- | 1/4 |
| 4P, 415V AC | | | | | |
|  | 2 | 4 | 5SL74027RC | 2435.- | 1/3 |
| | 4 | | 5SL74047RC | 2245.- | 1/3 |
| | 6 | | 5SL74067RC | 1890.- | 1/3 |
| | 10 | | 5SL74107RC | 1890.- | 1/3 |
| | 16 | | 5SL74167RC | 1890.- | 1/3 |
| | 20 | | 5SL74207RC | 1890.- | 1/3 |
| | 25 | | 5SL74257RC | 1890.- | 1/3 |
| | 32 | | 5SL74327RC | 1890.- | 1/3 |
| | 40 | | 5SL74407RC | 2475.- | 1/3 |
| | 50 | | 5SL74507RC | 2475.- | 1/3 |
| | 63 | | 5SL74637RC | 2475.- | 1/3 |

Note:

* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm

** Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

1) Refer catalog for rating wise breaking capacities

NEW

Betagard Miniature Circuit Breakers 5SL7, with D characteristics

IS/IEC 60898 - 1



CML No. 2255548

- Standards: IS/IEC 60898-1
- Voltage: Un 240/415V, 50....60Hz
- Breaking capacity: 15kA¹⁾ as per IS/IEC 60898-1

| | Rated Current I_n (A) | MW [#] | Reference No | Unit MRP* ₹ | Std. Pkg. ** (Nos.) |
|--|----------------------------|-----------------|--------------|----------------|------------------------|
| 1P, 240/415V AC  | 2 | 1 | 5SL71028RC | 465.- | 1/12 |
| | 4 | | 5SL71048RC | 465.- | 1/12 |
| | 6 | | 5SL71068RC | 420.- | 1/12 |
| | 10 | | 5SL71108RC | 420.- | 1/12 |
| | 16 | | 5SL71168RC | 420.- | 1/12 |
| | 20 | | 5SL71208RC | 420.- | 1/12 |
| | 25 | | 5SL71258RC | 420.- | 1/12 |
| | 32 | | 5SL71328RC | 420.- | 1/12 |
| | 40 | | 5SL71408RC | 765.- | 1/12 |
| | 50 | | 5SL71508RC | 765.- | 1/12 |
| 63 | 5SL71638RC | 765.- | 1/12 | | |
| 2P, 415V AC  | 2 | 2 | 5SL72028RC | 1260.- | 1/6 |
| | 4 | | 5SL72048RC | 1260.- | 1/6 |
| | 6 | | 5SL72068RC | 960.- | 1/6 |
| | 10 | | 5SL72108RC | 960.- | 1/6 |
| | 16 | | 5SL72168RC | 960.- | 1/6 |
| | 20 | | 5SL72208RC | 960.- | 1/6 |
| | 25 | | 5SL72258RC | 960.- | 1/6 |
| | 32 | | 5SL72328RC | 960.- | 1/6 |
| | 40 | | 5SL72408RC | 1665.- | 1/6 |
| | 50 | | 5SL72508RC | 1665.- | 1/6 |
| 63 | 5SL72638RC | 1665.- | 1/6 | | |
| 3P, 415V AC  | 2 | 3 | 5SL73028RC | 1930.- | 1/4 |
| | 4 | | 5SL73048RC | 1930.- | 1/4 |
| | 6 | | 5SL73068RC | 1530.- | 1/4 |
| | 10 | | 5SL73108RC | 1530.- | 1/4 |
| | 16 | | 5SL73168RC | 1530.- | 1/4 |
| | 20 | | 5SL73208RC | 1530.- | 1/4 |
| | 25 | | 5SL73258RC | 1530.- | 1/4 |
| | 32 | | 5SL73328RC | 1530.- | 1/4 |
| | 40 | | 5SL73408RC | 2595.- | 1/4 |
| | 50 | | 5SL73508RC | 2595.- | 1/4 |
| 63 | 5SL73638RC | 2595.- | 1/4 | | |
| 4P, 415V AC  | 2 | 4 | 5SL74028RC | 2470.- | 1/3 |
| | 4 | | 5SL74048RC | 2470.- | 1/3 |
| | 6 | | 5SL74068RC | 2020.- | 1/3 |
| | 10 | | 5SL74108RC | 2020.- | 1/3 |
| | 16 | | 5SL74168RC | 2020.- | 1/3 |
| | 20 | | 5SL74208RC | 2020.- | 1/3 |
| | 25 | | 5SL74258RC | 2020.- | 1/3 |
| | 32 | | 5SL74328RC | 2020.- | 1/3 |
| | 40 | | 5SL74408RC | 3255.- | 1/3 |
| | 50 | | 5SL74508RC | 3255.- | 1/3 |
| 63 | 5SL74638RC | 3255.- | 1/3 | | |

Note:

* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm

** Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details


1) Refer catalog for rating wise breaking capacities

NEW

Betagard Miniature Circuit Breakers 5SY4, 10kA CBs with C characteristics

- Standards: IEC/EN 60947-2
- Voltage: Un 230/400V
- Breaking capacity: 10kA as per IEC/EN 60947-2

C characteristic

| 10000A | | Rated Current I_n (A) | MW# | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) |
|---|-------|----------------------------|-----|--------------|----------------|-----------------------|
|  | 1Pole | 80A | 1 | 5SY41807CC | 2640.- | 1/1 |
| | 2Pole | | 2 | 5SY42807CC | 5190.- | 1/1 |
| | 3Pole | | 3 | 5SY43807CC | 8100.- | 1/1 |
| | 4Pole | | 4 | 5SY44807CC | 11615.- | 1/1 |

Betagard Miniature Circuit Breakers 5SP4, 10kA MCBs with C/D characteristics





IS/IEC 60898 - 1







CM/L No. 2255548

- Standards: IS/IEC 60898-1:2002
- Voltage: Un 240/415V
- Breaking capacity: 10kA as per IS/IEC 60898-1:2002
- With ISI marking: CM/L No. 2255548

C characteristic

| 10000A | | Rated Current I_n (A) | MW# | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) |
|---|--------|----------------------------|-----|--------------|----------------|-----------------------|
|  | 1-pole | 80 | 1.5 | 5SP41807RC | 2640.- | 1/10 |
| | | 100 | | 5SP41917RC | 2785.- | 1/10 |
| | | 125 | | 5SP41927RC | 3160.- | 1/10 |
|  | 2-pole | 80 | 3 | 5SP42807RC | 5190.- | 1/5 |
| | | 100 | | 5SP42917RC | 5470.- | 1/5 |
| | | 125 | | 5SP42927RC | 6190.- | 1/5 |
|  | 3-pole | 80 | 4.5 | 5SP43807RC | 8100.- | 1 |
| | | 100 | | 5SP43917RC | 8310.- | 1 |
| | | 125 | | 5SP43927RC | 9525.- | 1 |
|  | 4-pole | 80 | 6 | 5SP44807RC | 11615.- | 1 |
| | | 100 | | 5SP44917RC | 11950.- | 1 |
| | | 125 | | 5SP44927RC | 13605.- | 1 |

D characteristic

| | | | | | | |
|---|--------|-----|-----|------------|---------|------|
|  | 1-pole | 80 | 1.5 | 5SP41808RC | 2910.- | 1/10 |
| | | 100 | | 5SP41918RC | 3050.- | 1/10 |
|  | 2-pole | 80 | 3 | 5SP42808RC | 5840.- | 1/5 |
| | | 100 | | 5SP42918RC | 6195.- | 1/5 |
|  | 3-pole | 80 | 4.5 | 5SP43808RC | 9000.- | 1 |
| | | 100 | | 5SP43918RC | 9085.- | 1 |
|  | 4-pole | 80 | 6 | 5SP44808RC | 12655.- | 1 |
| | | 100 | | 5SP44918RC | 12970.- | 1 |

Note:

* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm



** Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

^ Suitable for DC networks in Telecom application; 60V DC for 1P & 110V DC for 2P (contact sales office for connection diagram)

NEW

Betagard Circuit Breakers 5SL5, 10kA DC with C Characteristics

- Standards: IS/IEC 60947-2
- Voltage: 220V DC/1P & 440VDC/2P
- Breaking capacity: 10kA as per IS/IEC 60947-2




| 10000A | Rated Current I_n (A) | MW# | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) |
|--|----------------------------|-----|--------------|----------------|-----------------------|
|  | 0.5 | 1 | 5SL51057RC | 675.- | 1/12 |
| | 1 | | 5SL51017RC | 675.- | 1/12 |
| | 2 | | 5SL51027RC | 730.- | 1/12 |
| | 4 | | 5SL51047RC | 730.- | 1/12 |
| | 6 | | 5SL51067RC | 620.- | 1/12 |
| | 10 | | 5SL51107RC | 620.- | 1/12 |
| | 16 | | 5SL51167RC | 620.- | 1/12 |
| | 20 | | 5SL51207RC | 620.- | 1/12 |
| | 25 | | 5SL51257RC | 620.- | 1/12 |
| | 32 | | 5SL51327RC | 620.- | 1/12 |
| | 40 | | 5SL51407RC | 925.- | 1/12 |
| | 50 | | 5SL51507RC | 925.- | 1/12 |
| | 63 | | 5SL51637RC | 925.- | 1/12 |
|  | 0.5 | 2 | 5SL52057RC | 1470.- | 1/6 |
| | 1 | | 5SL52017RC | 1470.- | 1/6 |
| | 2 | | 5SL52027RC | 1470.- | 1/6 |
| | 4 | | 5SL52047RC | 1470.- | 1/6 |
| | 6 | | 5SL52067RC | 1290.- | 1/6 |
| | 10 | | 5SL52107RC | 1290.- | 1/6 |
| | 16 | | 5SL52167RC | 1290.- | 1/6 |
| | 20 | | 5SL52207RC | 1290.- | 1/6 |
| | 25 | | 5SL52257RC | 1290.- | 1/6 |
| | 32 | | 5SL52327RC | 1290.- | 1/6 |
| | 40 | | 5SL52407RC | 1905.- | 1/6 |
| | 50 | | 5SL52507RC | 1905.- | 1/6 |
| | 63 | | 5SL52637RC | 1905.- | 1/6 |

■ Stock items

- Also available DC Circuit Breakers for Solar applications - contact Siemens sales office for further details.

Betagard Isolators

- Standard: IS/IEC 60947-3
- Voltage: 440V AC

| | Rated Current I_n (A) | MW# | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) |
|---|----------------------------|-----|--------------|----------------|-----------------------|
|  | 32 | 2 | 5TL12320 | 515.- | 1/1 |
| | 40 | | 5TL12400 | 530.- | 1/1 |
| | 63 | | 5TL12630 | 700.- | 1/1 |
| | 80 | | 5TL12800 | 915.- | 1/1 |
| | 100 | | 5TL12910 | 1165.- | 1/1 |
| | 125 | | 5TL12920 | 1210.- | 1/1 |
|  | 32 | 3 | 5TL13320 | 855.- | 1/1 |
| | 40 | | 5TL13400 | 990.- | 1/1 |
| | 63 | | 5TL13630 | 1105.- | 1/1 |
| | 80 | | 5TL13800 | 1340.- | 1/1 |
| | 100 | | 5TL13910 | 1405.- | 1/1 |
| | 125 | | 5TL13920 | 1525.- | 1/1 |
|  | 32 | 4 | 5TL14320 | 975.- | 1/1 |
| | 40 | | 5TL14400 | 1160.- | 1/1 |
| | 63 | | 5TL14630 | 1315.- | 1/1 |
| | 80 | | 5TL14800 | 1585.- | 1/1 |
| | 100 | | 5TL14910 | 1905.- | 1/1 |
| | 125 | | 5TL14920 | 2070.- | 1/1 |

Note:

* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm

** Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

SIEMENS

Ingenuity for life

Betagard 5SV

Residual Current Circuit Breakers

Unique square terminal design

Test push button for functionality check

Motorized mechanism for remote ON/OFF

Comprehensive accessories range

Patented SLR feature for ease of mounting

ON/OFF indication and padlocking feature



Better to play it safe!

Preventing electrical accidents



For reliable disconnection of power in the event of leakage currents

Fault protection

“Protection against indirect contact”

Protects people in the event of contact with electrically conductive parts, as a result of a fault due to the magnitude or duration of the touch voltage



Additional protection

“Protection in case of direct contact” with $I_{\Delta n} = 30\text{mA}$

Protects individuals if they come in direct contact with an active live part under normal operating condition



Fire protection

“Protection from insulation faults” with $I_{\Delta n} = 300\text{mA}$

For the prevention of fires which can be caused by insulation faults in locations exposed to fire hazards



NEW

Betagard Residual Current Circuit Breakers 5SV



IS 12640 Part 1





CMIL No. 7676092

- Standards: IS 12640, Part 1:2008/IEC 61008-1:1996
- Voltage: 240/415Vac, 50Hz
- With ISI marking: CM/L No. 7676092

Type AC, applicable in networks for AC residual currents

| | Rated residual current $I_{\Delta n}$ (mA) | Rated Current I_n (A) | MW# | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) | |
|--|---|----------------------------|-----|--------------|----------------|-----------------------|---|
|  | 2 Pole | 30 | 25 | 2 | | | |
| | | 100 | 25 | | ■ 5SV43120RC | 3045.- | 1 |
| | | 300 | 25 | | 5SV44120RC | 3175.- | 1 |
| | | 30 | 40 | | 5SV46120RC | 3190.- | 1 |
| | | 100 | 40 | | ■ 5SV43140RC | 3565.- | 1 |
| | | 300 | 40 | | 5SV44140RC | 3720.- | 1 |
| | | 30 | 63 | | 5SV46140RC | 3750.- | 1 |
| | | 100 | 63 | | ■ 5SV43160RC | 4765.- | 1 |
| | | 300 | 63 | | 5SV44160RC | 4805.- | 1 |
| | | 30 | 80 | | 5SV46160RC | 4965.- | 1 |
| | | 100 | 80 | | 5SV43170RC | 7170.- | 1 |
| | | 300 | 80 | | 5SV44170RC | 7450.- | 1 |
| | | | | 5SV46170RC | 7450.- | 1 | |
|  | 4 Pole | 30 | 25 | 4 | | | |
| | | 100 | 25 | | ■ 5SV43420RC | 4070.- | 1 |
| | | 300 | 25 | | 5SV44420RC | 4225.- | 1 |
| | | 30 | 40 | | 5SV46420RC | 4255.- | 1 |
| | | 100 | 40 | | ■ 5SV43440RC | 4125.- | 1 |
| | | 300 | 40 | | 5SV44440RC | 4280.- | 1 |
| | | 30 | 63 | | 5SV46440RC | 4320.- | 1 |
| | | 100 | 63 | | ■ 5SV43460RC | 4805.- | 1 |
| | | 300 | 63 | | 5SV44460RC | 4995.- | 1 |
| | | 30 | 80 | | 5SV46460RC | 5030.- | 1 |
| | | 100 | 80 | | 5SV43470RC | 7170.- | 1 |
| | | 300 | 80 | | 5SV44470RC | 7450.- | 1 |
| | | | | 5SV46470RC | 7450.- | 1 | |

Type A, applicable in networks with AC and/or pulsating DC residual currents

| | | | | | | | |
|---|--------|-----|----|------------|------------|---------|---|
|  | 2 Pole | 30 | 25 | 2 | | | |
| | | 100 | 25 | | 5SV33126RC | 5250.- | 1 |
| | | 300 | 25 | | 5SV34126RC | 6185.- | 1 |
| | | 30 | 40 | | 5SV36126RC | 6185.- | 1 |
| | | 100 | 40 | | 5SV33146RC | 5955.- | 1 |
| | | 300 | 40 | | 5SV34146RC | 6205.- | 1 |
| | | 30 | 63 | | 5SV36146RC | 6205.- | 1 |
| | | 100 | 63 | | 5SV33166RC | 8660.- | 1 |
| | | 300 | 63 | | 5SV34166RC | 8905.- | 1 |
| | | 30 | 80 | | 5SV36166RC | 8480.- | 1 |
| | | 100 | 80 | | 5SV33176RC | 9315.- | 1 |
| | | 300 | 80 | | 5SV34176RC | 10020.- | 1 |
| | | | | 5SV36176RC | 9540.- | 1 | |
|  | 4 Pole | 30 | 25 | 4 | | | |
| | | 100 | 25 | | 5SV33426RC | 6230.- | 1 |
| | | 300 | 25 | | 5SV34426RC | 7685.- | 1 |
| | | 30 | 40 | | 5SV36426RC | 7685.- | 1 |
| | | 100 | 40 | | 5SV33446RC | 6875.- | 1 |
| | | 300 | 40 | | 5SV34446RC | 7685.- | 1 |
| | | 30 | 63 | | 5SV36446RC | 7685.- | 1 |
| | | 100 | 63 | | 5SV33466RC | 7850.- | 1 |
| | | 300 | 63 | | 5SV34466RC | 7805.- | 1 |
| | | 30 | 80 | | 5SV36466RC | 7805.- | 1 |
| | | 100 | 80 | | 5SV33476RC | 9440.- | 1 |
| | | 300 | 80 | | 5SV34476RC | 10020.- | 1 |
| | | | | 5SV36476RC | 9540.- | 1 | |

■ Stock items

Note:


* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm

** Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details


Betagard Residual Current Circuit Breakers 5SM3

- Standards: IS 12640, Part 1:2008/IEC 61008-1:1996
- Voltage: 240/415Vac, 50Hz
- With ISI marking: CM/L No. 7676092

Type AC, applicable in networks for AC residual currents

| | Rated residual current $I_{\Delta n}$ (mA) | Rated Current I_n (A) | MW# | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) |
|---|---|----------------------------|-----|--------------|----------------|-----------------------|
|  | 30 | 100 | 4 | 5SM33480RC | 36290.- | 1 |
| | 100 | 100 | | 5SM34480RC | 32200.- | 1 |
| | 300 | 100 | | 5SM36480RC | 30520.- | 1 |
| | 30 | 125 | | 5SM33450RC | 36290.- | 1 |
| | 100 | 125 | | 5SM34450RC | 32200.- | 1 |
| | 300 | 125 | | 5SM36450RC | 30520.- | 1 |
| | 500 | 125 | | 5SM37450RC | 35145.- | 1 |

Type A, applicable in networks with AC and/or pulsating DC residual currents

| | | | | | | |
|--|-----|-----|---|------------|---------|---|
|  | 30 | 100 | 4 | 5SM33486RC | 33260.- | 1 |
| | 100 | 100 | | 5SM34486RC | 32060.- | 1 |
| | 300 | 100 | | 5SM36486RC | 32575.- | 1 |
| | 30 | 125 | | 5SM33456RC | 33260.- | 1 |
| | 100 | 125 | | 5SM34456RC | 32060.- | 1 |
| | 300 | 125 | | 5SM36456RC | 35535.- | 1 |
| | 500 | 125 | | 5SM37456RC | 36620.- | 1 |

Note:

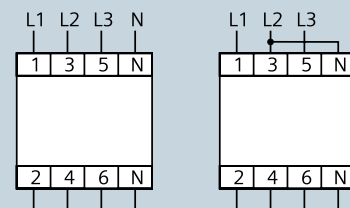
* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm

** Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

RCCB suitability for various distribution networks.

Betagard RCCBs can be used in all 3 distribution network types viz. TN, TT & an IT network system. 4 pole RCCBs can also be used in 3 pole supply networks by adhering to installation guidelines. In this case, connection must be at terminals 1, 3 and 5 and 2, 4 and 6.

The function of the test equipment is only ensured if a jumper is fitted between terminals 3 and N.




Betagard Residual Current Breaker Operators 5SU1, 10kA





- Standards: IS 12640, Part 2:2008/IEC 61009-1:1996
- Voltage: 240/415Vac, 50Hz
- With ISI marking: CM/L No. 7676193



Type AC, with C Characteristics (in 2 module size)

| | Rated residual current $I_{\Delta n}$ (mA) | Rated Current I_n (A) | MW# | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) |
|---|---|----------------------------|--------------|--------------|----------------|-----------------------|
|  | 240Vac; 50Hz; 2 pole ¹⁾ | | | | | |
| | 30 | 6 | 2 | 5SU13541RC06 | 4745.- | 1 |
| | 30 | 10 | | 5SU13541RC10 | 4745.- | 1 |
| | 30 | 16 | | 5SU13541RC16 | 4745.- | 1 |
| | 30 | 20 | | 5SU13541RC20 | 4745.- | 1 |
| | 30 | 25 | | 5SU13541RC25 | 4745.- | 1 |
| | 30 | 32 | | 5SU13541RC32 | 4980.- | 1 |
| | 30 | 40 | | 5SU13541RC40 | 5890.- | 1 |
| | 300 | 6 | | 5SU16541RC06 | 4835.- | 1 |
| | 300 | 10 | | 5SU16541RC10 | 4835.- | 1 |
| | 300 | 16 | | 5SU16541RC16 | 4835.- | 1 |
| | 300 | 20 | | 5SU16541RC20 | 4835.- | 1 |
| | 300 | 25 | | 5SU16541RC25 | 4835.- | 1 |
| | 300 | 32 | | 5SU16541RC32 | 5080.- | 1 |
| 300 | 40 | | 5SU16541RC40 | 6005.- | 1 | |

Type AC with C characteristic

| | | | | | | |
|---|----------------------|----|--------------|--------------|--------|---|
|  | 240Vac; 50Hz; 2 pole | | | | | |
| | 30 | 32 | 4 | 5SU13241RC32 | 4520.- | 1 |
| | | 40 | | 5SU13241RC40 | 5265.- | 1 |
| | | 63 | | 5SU13241RC63 | 6125.- | 1 |
| | 100 | 32 | | 5SU14241RC32 | 4990.- | 1 |
| | | 40 | | 5SU14241RC40 | 5605.- | 1 |
| | | 63 | | 5SU14241RC63 | 6530.- | 1 |
| | 300 | 32 | | 5SU16241RC32 | 5045.- | 1 |
| | | 40 | | 5SU16241RC40 | 5655.- | 1 |
| | 63 | | 5SU16241RC63 | 6530.- | 1 | |
|  | 415Vac; 50Hz; 4 pole | | | | | |
| | 30 | 32 | 7 | 5SU13441RC32 | 6040.- | 1 |
| | | 40 | | 5SU13441RC40 | 6145.- | 1 |
| | | 63 | | 5SU13441RC63 | 7290.- | 1 |
| | 100 | 32 | | 5SU14441RC32 | 6110.- | 1 |
| | | 40 | | 5SU14441RC40 | 6230.- | 1 |
| | | 63 | | 5SU14441RC63 | 7160.- | 1 |
| | 300 | 32 | | 5SU16441RC32 | 6155.- | 1 |
| | | 40 | | 5SU16441RC40 | 6280.- | 1 |
| | | 63 | | 5SU16441RC63 | 7230.- | 1 |

Type AC with D characteristic

| | | | | | | |
|---|----------------------|----|--------------|--------------|---------|---|
|  | 240Vac; 50Hz; 2 pole | | | | | |
| | 30 | 32 | 4 | 5SU13242RC32 | 5830.- | 1 |
| | | 40 | | 5SU13242RC40 | 6385.- | 1 |
| | | 63 | | 5SU13242RC63 | 7695.- | 1 |
| | 100 | 32 | | 5SU14242RC32 | 7050.- | 1 |
| | | 40 | | 5SU14242RC40 | 7720.- | 1 |
| | | 63 | | 5SU14242RC63 | 8815.- | 1 |
| | 300 | 32 | | 5SU16242RC32 | 6895.- | 1 |
| | | 40 | | 5SU16242RC40 | 7720.- | 1 |
| | 63 | | 5SU16242RC63 | 8825.- | 1 | |
|  | 415Vac; 50Hz; 4 pole | | | | | |
| | 30 | 32 | 7 | 5SU13442RC32 | 7980.- | 1 |
| | | 40 | | 5SU13442RC40 | 8105.- | 1 |
| | | 63 | | 5SU13442RC63 | 9610.- | 1 |
| | 100 | 32 | | 5SU14442RC32 | 8640.- | 1 |
| | | 40 | | 5SU14442RC40 | 9025.- | 1 |
| | | 63 | | 5SU14442RC63 | 10005.- | 1 |
| | 300 | 32 | | 5SU16442RC32 | 8530.- | 1 |
| | | 40 | | 5SU16442RC40 | 9115.- | 1 |
| | | 63 | | 5SU16442RC63 | 9800.- | 1 |


Note: * MRP - Maximum Retail Price # 1MW (Module Width) = 18mm ¹⁾ 1P+N variant

** Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details


Betagard Residual Current Breaker Operators 5SU1, 10kA


- Standards: IS 12640, Part 2:2008/IEC 61009-1:1996
- Voltage: 240/415Vac, 50Hz
- With ISI marking: CM/L No. 7676193

Type A, with C Characteristics (in 2 module size)


| | Rated residual current $I_{\Delta n}$ (mA) | Rated Current I_n (A) | MW [#] | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) |
|---|---|----------------------------|-----------------|--------------|----------------|-----------------------|
|  | 240Vac; 50Hz; 2 pole ¹⁾ | | | | | |
| | 30 | 6 | 2 | 5SU13547RC06 | 8665.- | 1 |
| | 30 | 10 | | 5SU13547RC10 | 8665.- | 1 |
| | 30 | 16 | | 5SU13547RC16 | 8665.- | 1 |
| | 30 | 20 | | 5SU13547RC20 | 8665.- | 1 |
| | 30 | 25 | | 5SU13547RC25 | 8665.- | 1 |
| | 30 | 32 | | 5SU13547RC32 | 9060.- | 1 |
| | 30 | 40 | | 5SU13547RC40 | 10965.- | 1 |
| | 300 | 6 | | 5SU16547RC06 | 8925.- | 1 |
| | 300 | 10 | | 5SU16547RC10 | 8925.- | 1 |
| | 300 | 16 | | 5SU16547RC16 | 8925.- | 1 |
| | 300 | 20 | | 5SU16547RC20 | 8925.- | 1 |
| | 300 | 25 | | 5SU16547RC25 | 8925.- | 1 |
| | 300 | 32 | | 5SU16547RC32 | 9280.- | 1 |
| | 300 | 40 | | 5SU16547RC40 | 11190.- | 1 |


Type A with C characteristic

| | | | | | | |
|--|----------------------|--------------|---|--------------|---------|---|
|  | 240Vac; 50Hz; 2 pole | | | | | |
| | 30 | 32 | 4 | 5SU13247RC32 | 8185.- | 1 |
| | | 40 | | 5SU13247RC40 | 9010.- | 1 |
| | | 63 | | 5SU13247RC63 | 10190.- | 1 |
| | 100 | 32 | | 5SU14247RC32 | 8740.- | 1 |
| | | 40 | | 5SU14247RC40 | 9705.- | 1 |
| | | 63 | | 5SU14247RC63 | 11030.- | 1 |
| | 300 | 32 | | 5SU16247RC32 | 8740.- | 1 |
| | | 40 | | 5SU16247RC40 | 9705.- | 1 |
| 63 | | 5SU16247RC63 | | 11030.- | 1 | |

| | | | | | | |
|---|----------------------|--------------|---|--------------|---------|---|
|  | 415Vac; 50Hz; 4 pole | | | | | |
| | 30 | 32 | 7 | 5SU13447RC32 | 10030.- | 1 |
| | | 40 | | 5SU13447RC40 | 10440.- | 1 |
| | | 63 | | 5SU13447RC63 | 11945.- | 1 |
| | 100 | 32 | | 5SU14447RC32 | 10750.- | 1 |
| | | 40 | | 5SU14447RC40 | 10960.- | 1 |
| | | 63 | | 5SU14447RC63 | 12250.- | 1 |
| | 300 | 32 | | 5SU16447RC32 | 10750.- | 1 |
| | | 40 | | 5SU16447RC40 | 11150.- | 1 |
| 63 | | 5SU16447RC63 | | 12445.- | 1 | |

Type A with D characteristic

| | | | | | | |
|---|----------------------|--------------|---|--------------|---------|---|
|  | 240Vac; 50Hz; 2 pole | | | | | |
| | 30 | 32 | 4 | 5SU13248RC32 | 9555.- | 1 |
| | | 40 | | 5SU13248RC40 | 10785.- | 1 |
| | | 63 | | 5SU13248RC63 | 12265.- | 1 |
| | 100 | 32 | | 5SU14248RC32 | 10280.- | 1 |
| | | 40 | | 5SU14248RC40 | 11435.- | 1 |
| | | 63 | | 5SU14248RC63 | 13025.- | 1 |
| | 300 | 32 | | 5SU16248RC32 | 10280.- | 1 |
| | | 40 | | 5SU16248RC40 | 11435.- | 1 |
| 63 | | 5SU16248RC63 | | 13025.- | 1 | |

| | | | | | | |
|---|----------------------|--------------|---|--------------|---------|---|
|  | 415Vac; 50Hz; 4 pole | | | | | |
| | 30 | 32 | 7 | 5SU13448RC32 | 11830.- | 1 |
| | | 40 | | 5SU13448RC40 | 11975.- | 1 |
| | | 63 | | 5SU13448RC63 | 14125.- | 1 |
| | 100 | 32 | | 5SU14448RC32 | 12455.- | 1 |
| | | 40 | | 5SU14448RC40 | 13315.- | 1 |
| | | 63 | | 5SU14448RC63 | 14495.- | 1 |
| | 300 | 32 | | 5SU16448RC32 | 12455.- | 1 |
| | | 40 | | 5SU16448RC40 | 13315.- | 1 |
| 63 | | 5SU16448RC63 | | 14500.- | 1 | |

Note: * MRP - Maximum Retail Price








1MW (Module Width) = 18mm

¹⁾ 1P+N variant

** Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

Betagard Accessories


Accessories for 5SL / 5SY / 5SP MCBs, 5TL isolators, 5SV RCCBs and 5SU1 RCBOs

| Item Description | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) | |
|--|---|----------------|-----------------------|---|
|  Aux contact block (For 5SL/5SY/5SP4/5TL/5SV/5SU1) | 1NO+1NC | 5ST3010 | 12 | |
| | 2NO | 5ST3011 | 1 | |
| | 2NC | 5ST3012 | 1 | |
| Fault signal contact (For 5SL/5SY/5SP4/5SV/5SU1) | 1NO+1NC | 5ST3020 | 1 | |
| | 2NO | 5ST3021 | 1 | |
| | 2NC | 5ST3022 | 1 | |
| Shunt release (For 5SL5/5SL7/5SY/5SP4/5SV/5SU1) | 110...415V AC | 5ST3030 | 1/5 | |
| | 24...48V DC | 5ST3031 | 1/5 | |
|  Undervoltage release (For 5SL5/5SL7/5SY/5SP4/5SV/5SU1) | With integrated aux. switch | | | |
| | 230V AC | 5ST3040 | 1/5 | |
| | 110V DC | 5ST3041 | 1/5 | |
| | 24V DC | 5ST3042 | 1/5 | |
| | Without integrated aux. switch | | | |
| | 230V AC | 5ST3043 | 1/5 | |
| 110V DC | 5ST3044 | 1/5 | | |
| 24V DC | 5ST3045 | 1/5 | | |
|  Remote control mechanism unit Basic 230V AC, 2MW (for 5SL, 5SY, 5TL1 and 5SU1 (1P+N only)) Power 230V AC 2MW (for 5SL, 5SY, 5TL1, 5SV and 5SU1) | 5ST3054 | 22965.- | 1 | |
| | 5ST3056 | 38865.- | 1 | |
|  Adapter for Remote control mechanism (To be ordered along with 5ST305X basic unit) | For 5SL - 1P & 2P, 5SV - 4P | 5ST38206 | 1 | |
| | For 5SL - 3P & 4P | 5ST38207 | 1 | |
| | For 5SY - 1P & 2P and For 5SU1^ - 2P, 4M | 5ST38201 | 1 | |
| | For 5SY - 3P & 4P and For 5SU1^ - 4P, 7M | 5ST38202 | 1 | |
| | For 5TL1 - 2P | 5ST38208 | 1 | |
| | For 5TL1 - 3P & 4P | 5ST38211 | 1 | |
| | For 5SU1 - 2P, 2M | 5ST38205 | 1 | |
| | ^ Add-on block for 5SU1 to be ordered along with Adapter | 5ST38203 | 1060.- | 1 |
|  Handle locking device | for 5SP and 5SY circuit breakers for padlock with max. 3mm shackle | 5ST3801 | 1 | |
| | for 5SL circuit breakers, 5TL1 isolators and 5SV residual current circuit breakers for padlock with max. 3 to 6 mm shackle | 5ST3806 | 5 | |
|  Pad locks for 5ST3801 and 5ST3806 handle locking devices | 5ST3802 | 305.- | 5 | |
|  Handle connector for 2P, 2M RCBOs | 5ST38051 | 950.- | 1 | |

Accessories for Residual Current Circuit Breakers, Type 5SM3

| Item Description | Reference No. | Unit MRP* ₹ | Std. Pkg.** (Nos.) |
|---|---------------|----------------|-----------------------|
| Aux contact block 1NO+1NC, 25A to 80A | 5SW3300 | 2100.- | 1/10 |
| Aux contact block 1NO+1NC, 100A to 125A | 5SW3330 | 4350.- | 1/10 |

Betagard Rotary Handle Assembly

| Item Description | Reference No. | Unit MRP* ₹ | Std. Pkg.** (Nos.) |
|--|---------------|----------------|-----------------------|
|  Rotary Handle Assembly for 5SY, 5SL, 5SP and 5TL1 series of MCBs/ Isolators ⁵⁵ | 5ST38140RC | 1710.- | 1 |

Note: * MRP - Maximum Retail Price # 1MW (Module Width) = 18mm

\$ For 2P, 2M RCBOs, the accessories can be used along with Handle connector only

\$\$ Not suitable for 1P MCBs

** Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details



7KT PAC1200

Multichannel current measuring system
For flexible multichannel monitoring in final
distribution

- Modular & Simple installation
- Easy scalability- sensor bars available in 3,6,9 and 12 versions
- Up to 96 sensors in a single system
- Integrated web server

**On- the-go access to energy data
with the help of mobile app**

Available for iOS/ Android

*For more details and prices, contact Siemens Sales Office.

Ordering Information*

| Type | Description |
|---------|---------------|
| 7KT1260 | Data manager |
| 7KT1233 | 3-Sensor bar |
| 7KT1236 | 6-Sensor bar |
| 7KT1238 | 9-Sensor bar |
| 7KT1242 | 12-Sensor bar |
| 7KT1254 | Sensor 40 A |
| 7KT1255 | Sensor 63 A |



SIEMENS

Ingenuity for life

Arc Fault Detection Device

First in Safety

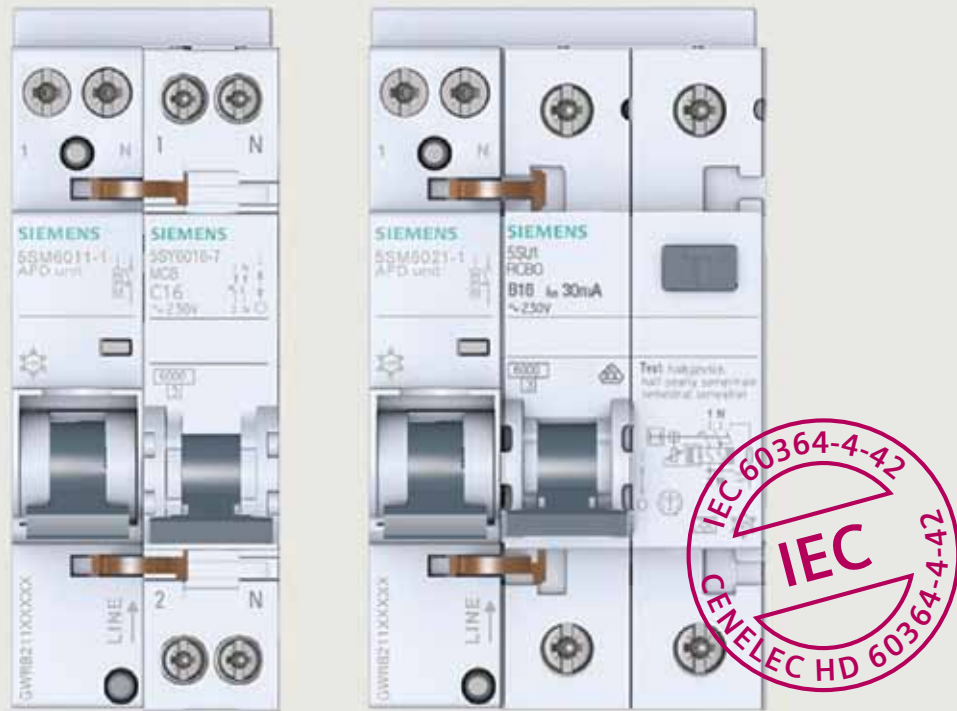
As the first AFD unit, the protection device protects human lives and buildings reliably against fires caused by electricity.

The 5SM6 AFD unit from Siemens is the first one of its kind that detects serial arcing faults at an early stage. It is established since 2012 and fulfills all relevant rules and standards. With the publishing of the IEC 60364-4-42, the installation is strongly recommended all over Europe.

The 5SM6 AFD unit closes the existing safety gap and is part of a complete protection concept by Siemens – one stop safety

www.siemens.com/afd-units

NEW



AFD units with a mounted 1+N, 1MW MCB and 5SU1 RCBO

The smart solution.

Whether in an existing plant or a new installation – the 5SM6 AFD unit can be deployed in any distribution board. It quickly identifies dangerous faults caused by parallel or serial arcing faults and switches off before a fire occurs. The AFD unit detects operational arcing faults and only trips in the event of an actual fault.

Moreover the 5SM6 AFD unit offers:

- comprehensive fire protection for humans, plants and assets
- reliable covering of the existing protection gap
- enhanced protection from electrical fires in combination with MCBs or RCBOs

| Reference no. | Description |
|---------------|--|
| 5SM60111XX02 | AFDD 16A, 230V, 2MW (Integrated with 1MW, 1+N, 6kA, 16A MCB) |
| 5SM6021-2 | AFDD 1-16A, 230V, 1MW (Suitable for 2P, 2M RCBO, RCBO to be ordered separately) |
| 5SM6024-2 | AFDD 1-40A, 230V, 1MW (Suitable for 2P, 2M RCBO, RCBO to be ordered separately) |

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[siemens.com/AFDD](https://www.siemens.com/AFDD)

SIEMENS

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Perfect blend of beauty and features with assured performance

Betagard Distribution Boards

- Complete range for Residential, Commercial and Industrial Infrastructures
- DBs offer latest design with highest aesthetic appeal
- DBs available with type testing as per the latest applicable standards
- User friendly design offers ease during maintenance and assists the installer for correct installation

Betagard Distribution Boards 8GB32 # SPN and TPN DBs

- Type Tested as per IEC 61439 Standards at neutral and internal test laboratories.
- Available in IP 20 and IP 43 Versions.
- Single Door, Metal Double Door and Acrylic Double Door options available.
- Standard Wire Way Boxes available for all single Door and Double Door DBs.
- Additional safety to users and Installers by Insulated Shorting Links, Shrouded Neutral Links and Door Earthing.
- TPN DBs can be easily made suitable for PPI configuration using TPN to PPI Conversion Kits.
- Detachable Din rail assembly and intermittent door facilitates ease in Wiring during installation and maintenance.
- DBs are manufactured by latest technology with 18 SWG and 16 SWG CRCA Steel.
- DBs are subjected to seven tanks Process and treated with Premier quality powder coating.
- Cement Masking Sheet protects the DBs against extreme site conditions.
- DBs are supplied in Dual Packing for safety during transit and storage.

| | Item Description | Incoming Slots (MW) | Outgoing Slots (MW) | Total Slots (MW) | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) |
|---|-------------------------------|---------------------|---------------------|------------------|--------------|-------------|--------------------|
| Metal Enclosures, IP20: | | | | | | | |
|  | 1 Module | – | – | 1 | 8GB32100RC01 | 405.- | 1/20 |
| | 2 Module | – | – | 2 | 8GB32100RC02 | 600.- | 1/20 |
| | 3 Module | – | – | 3 | 8GB32100RC03 | 600.- | 1/20 |
| | 4 Module | – | – | 4 | 8GB32100RC04 | 600.- | 1/20 |
| | 6 Module | – | – | 6 | 8GB32100RC06 | 795.- | 1/20 |
| | 8 Module | – | – | 8 | 8GB32100RC08 | 930.- | 1/10 |
| SPN Single Door DBs, IP20: | | | | | | | |
|  | 6 Module | 2 | 4 | 6 | 8GB32101RC06 | 1255.- | 1 |
| | 8 Module | 2 | 6 | 8 | 8GB32101RC08 | 1330.- | 1 |
| | 10 Module | 2 | 8 | 10 | 8GB32101RC10 | 1610.- | 1 |
| | 12 Module | 2 | 10 | 12 | 8GB32101RC12 | 1670.- | 1 |
| | 14 Module | 2 | 12 | 14 | 8GB32101RC14 | 1880.- | 1 |
| | 16 Module | 2 | 14 | 16 | 8GB32101RC16 | 2025.- | 1 |
| SPN Metal Double Door DBs, IP 43: | | | | | | | |
|  | 6 Module | 2 | 4 | 6 | 8GB32102RC06 | 1965.- | 1 |
| | 8 Module | 2 | 6 | 8 | 8GB32102RC08 | 2040.- | 1 |
| | 10 Module | 2 | 8 | 10 | 8GB32102RC10 | 2375.- | 1 |
| | 12 Module | 2 | 10 | 12 | 8GB32102RC12 | 2440.- | 1 |
| | 14 Module | 2 | 12 | 14 | 8GB32102RC14 | 2840.- | 1 |
| | 16 Module | 2 | 14 | 16 | 8GB32102RC16 | 2915.- | 1 |
| SPN Acrylic Double Door DBs, IP 43: | | | | | | | |
|  | 6 Module | 2 | 4 | 6 | 8GB32103RC06 | 2310.- | 1 |
| | 8 Module | 2 | 6 | 8 | 8GB32103RC08 | 2440.- | 1 |
| | 10 Module | 2 | 8 | 10 | 8GB32103RC10 | 2840.- | 1 |
| | 12 Module | 2 | 10 | 12 | 8GB32103RC12 | 3050.- | 1 |
| | 14 Module | 2 | 12 | 14 | 8GB32103RC14 | 3185.- | 1 |
| | 16 Module | 2 | 14 | 16 | 8GB32103RC16 | 3320.- | 1 |
| Wire Way Box For SPN Single Door IP 20 DBs: | | | | | | | |
|  | For 6 MOD SPN Single door DB | – | – | – | 8GB32106RC06 | 825.- | 1/5 |
| | For 8 MOD SPN Single door DB | – | – | – | 8GB32106RC08 | 825.- | 1/5 |
| | For 10 MOD SPN Single door DB | – | – | – | 8GB32106RC10 | 890.- | 1/5 |
| | For 12 MOD SPN Single door DB | – | – | – | 8GB32106RC12 | 890.- | 1/5 |
| | For 14 MOD SPN Single door DB | – | – | – | 8GB32106RC14 | 1025.- | 1/5 |
| | For 16 MOD SPN Single door DB | – | – | – | 8GB32106RC16 | 1025.- | 1/5 |
| Wire Way Box For SPN Double Door IP 43 DBs: | | | | | | | |
|  | For 6 MOD SPN Double door DB | – | – | – | 8GB32107RC06 | 890.- | 1/5 |
| | For 8 MOD SPN Double door DB | – | – | – | 8GB32107RC08 | 890.- | 1/5 |
| | For 10 MOD SPN Double door DB | – | – | – | 8GB32107RC10 | 965.- | 1/5 |
| | For 12 MOD SPN Double door DB | – | – | – | 8GB32107RC12 | 965.- | 1/5 |
| | For 14 MOD SPN Double door DB | – | – | – | 8GB32107RC14 | 1230.- | 1/5 |
| | For 16 MOD SPN Double door DB | – | – | – | 8GB32107RC16 | 1230.- | 1/5 |

Note: * MRP - Maximum Retail Price # Also available in flat door option
For Customized Solutions in Distribution Boards please Contact our sales Office

** Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

Betagard Distribution Boards 8GB32 # SPN and TPN DBs

| | Item Description | Incoming Slots (MW) | Outgoing Slots (MW) | Total Slots (MW) | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) |
|---|---|---------------------|---------------------|------------------|--------------|-------------|--------------------|
| TPN Single Door DBs, IP20: | | | | | | | |
|  | 4 way | 8 | 12 | 20 | 8GB32201RC04 | 3160.- | 1 |
| | 6 way | 8 | 18 | 26 | 8GB32201RC06 | 3590.- | 1 |
| | 8 way | 8 | 24 | 32 | 8GB32201RC08 | 4335.- | 1 |
| | 10 way | 8 | 30 | 38 | 8GB32201RC10 | 6285.- | 1 |
| | 12 way | 8 | 36 | 44 | 8GB32201RC12 | 6420.- | 1 |
| | 14 way | 8 | 42 | 50 | 8GB32201RC14 | 7365.- | 1 |
| | 16 way | 8 | 48 | 56 | 8GB32201RC16 | 7640.- | 1 |
| TPN Metal Double Door DBs, IP 43 | | | | | | | |
|  | 4 way | 8 | 12 | 20 | 8GB32202RC04 | 3865.- | 1 |
| | 6 way | 8 | 18 | 26 | 8GB32202RC06 | 4670.- | 1 |
| | 8 way | 8 | 24 | 32 | 8GB32202RC08 | 5615.- | 1 |
| | 10 way | 8 | 30 | 38 | 8GB32202RC10 | 8110.- | 1 |
| | 12 way | 8 | 36 | 44 | 8GB32202RC12 | 8310.- | 1 |
| | 14 way | 8 | 42 | 50 | 8GB32202RC14 | 9865.- | 1 |
| | 16 way | 8 | 48 | 56 | 8GB32202RC16 | 10140.- | 1 |
| TPN Acrylic Double Door DBs, IP 43 | | | | | | | |
|  | 4 way | 8 | 12 | 20 | 8GB32203RC04 | 4670.- | 1 |
| | 6 way | 8 | 18 | 26 | 8GB32203RC06 | 5750.- | 1 |
| | 8 way | 8 | 24 | 32 | 8GB32203RC08 | 6895.- | 1 |
| | 10 way | 8 | 30 | 38 | 8GB32203RC10 | 8990.- | 1 |
| | 12 way | 8 | 36 | 44 | 8GB32203RC12 | 10470.- | 1 |
| | 14 way | 8 | 42 | 50 | 8GB32203RC14 | 11215.- | 1 |
| | 16 way | 8 | 48 | 56 | 8GB32203RC16 | 11965.- | 1 |
| TPN to PPI Conversion Kit® | | | | | | | |
|  | To convert 6 way TPN DB to 4 way TPN PPI DB | | | | 8GB32205RC04 | 2440.- | 1/5 |
| | To convert 8 way TPN DB to 6 way TPN PPI DB | | | | 8GB32205RC06 | 2840.- | 1/5 |
| | To convert 10 way TPN DB to 8 way TPN PPI DB | | | | 8GB32205RC08 | 2915.- | 1/5 |
| | To convert 12 way TPN DB to 10 way TPN PPI DB | | | | 8GB32205RC10 | 3115.- | 1/5 |
| | To convert 14 way TPN DB to 12 way TPN PPI DB | | | | 8GB32205RC12 | 3320.- | 1/5 |
| | To convert 16 way TPN DB to 14 way TPN PPI DB | | | | 8GB32205RC14 | 3520.- | 1/5 |
| | Wire Way Box For TPN Single Door IP 20 DBs | | | | | | |
|  | For 4 Way TPN Single door DB | - | - | - | 8GB32206RC04 | 1025.- | 1/5 |
| | For 6 Way TPN Single door DB | - | - | - | 8GB32206RC06 | 1025.- | 1/5 |
| | For 8 Way TPN Single door DB | - | - | - | 8GB32206RC08 | 1835.- | 1/5 |
| | For 10 Way TPN Single door DB | - | - | - | 8GB32206RC10 | 2310.- | 1/5 |
| | For 12 Way TPN Single door DB | - | - | - | 8GB32206RC12 | 2375.- | 1/5 |
| | For 14 Way TPN Single door DB | - | - | - | 8GB32206RC14 | 2440.- | 1/5 |
| | For 16 Way TPN Single door DB | - | - | - | 8GB32206RC16 | 2580.- | 1/5 |
| Wire Way Box For TPN Double Door IP 43 DBs | | | | | | | |
|  | For 4 Way TPN Double door DB | - | - | - | 8GB32207RC04 | 1095.- | 1/5 |
| | For 6 Way TPN Double door DB | - | - | - | 8GB32207RC06 | 1230.- | 1/5 |
| | For 8 Way TPN Double door DB | - | - | - | 8GB32207RC08 | 1965.- | 1/5 |
| | For 10 Way TPN Double door DB | - | - | - | 8GB32207RC10 | 2100.- | 1/5 |
| | For 12 Way TPN Double door DB | - | - | - | 8GB32207RC12 | 2580.- | 1/5 |
| | For 14 Way TPN Double door DB | - | - | - | 8GB32207RC14 | 2710.- | 1/5 |
| | For 16 Way TPN Double door DB | - | - | - | 8GB32207RC16 | 2785.- | 1/5 |

Note: * MRP - Maximum Retail Price

@ Contains required accessories to Make the DB suitable for PPI Configuration
For Customized Solutions in Distribution Boards please Contact our sales Office




** Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

Also available in flat door option

Betagard Distribution Boards 8GB32 TPN Phase Segregated DBs

| Item Description | Incoming Slots (MW) | Sub - Incomer Slots (MW) | Outgoing Slots (MW) | Total Slots (MW) | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) |
|--|---------------------|--------------------------|---------------------|------------------|--------------|-------------|--------------------|
| TPN Phase segregated DBs, IP 20 For MCB as incomer | | | | | | | |
| 4 Way | 12 | 12 | 12 | 36 | 8GB32001RC04 | 8710.- | 1 |
| 6 Way | 12 | 12 | 18 | 42 | 8GB32001RC06 | 9795.- | 1 |
| 8 Way | 12 | 12 | 24 | 48 | 8GB32001RC08 | 11430.- | 1 |
| 12 Way | 12 | 12 | 36 | 60 | 8GB32001RC12 | 13610.- | 1 |
| TPN Phase segregated DBs, IP 43 For MCB as incomer | | | | | | | |
| 4 way | 12 | 12 | 12 | 36 | 8GB32002RC04 | 10340.- | 1 |
| 6 way | 12 | 12 | 18 | 42 | 8GB32002RC06 | 11975.- | 1 |
| 8 way | 12 | 12 | 24 | 48 | 8GB32002RC08 | 13610.- | 1 |
| 12 way | 12 | 12 | 36 | 60 | 8GB32002RC12 | 16330.- | 1 |
| TPN Phase segregated DBs, IP 43 for MCCB as incomer upto 160A | | | | | | | |
| 6 way | | 12 | 18 | 30 | 8GB32012RC06 | 18505.- | 1 |
| 8 way | | 12 | 24 | 36 | 8GB32012RC08 | 21225.- | 1 |
| 12 way | | 12 | 36 | 48 | 8GB32012RC12 | 23950.- | 1 |
| Wire Way box for MCB Incomer, IP 43 DBs | | | | | | | |
| For 4 Way | - | - | - | - | 8GB32007RC04 | 2720.- | 1 |
| For 6 Way | - | - | - | - | 8GB32007RC06 | 3265.- | 1 |
| For 8 Way | - | - | - | - | 8GB32007RC08 | 3810.- | 1 |
| For 12 Way | - | - | - | - | 8GB32007RC12 | 4350.- | 1 |
| Wire Way box for MCCB Incomer, IP 43 DBs | | | | | | | |
| For 6 Way | - | - | - | - | 8GB32017RC06 | 3265.- | 1 |
| For 8 Way | - | - | - | - | 8GB32017RC08 | 3810.- | 1 |
| For 12 Way | - | - | - | - | 8GB32017RC12 | 4350.- | 1 |

Betagard Distribution Boards MB DBs

| Item Description | Incoming Slots (MW) | Outgoing Slots (MW) | Total Slots (MW) | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) |
|--|---------------------|---------------------|------------------|--------------|-------------|--------------------|
| Betagard MB (Ivory White) : | | | | | | |
|  1Row, 6Mod | 2 | 4 | 6 | 8GB31810RC01 | 1615.- | 1/10 |
| 1Row, 8Mod | 2 | 6 | 8 | 8GB31811RC01 | 1875.- | 1/10 |
| 1Row, 10Mod | 2 | 8 | 10 | 8GB31812RC01 | 2085.- | 1/10 |
| 1Row, 12Mod | 2 | 10 | 12 | 8GB31813RC01 | 2215.- | 1/10 |
| 1Row, 14Mod | 2 | 12 | 14 | 8GB31814RC01 | 2350.- | 1/10 |
| 1Row, 16Mod | 2 | 14 | 16 | 8GB31815RC01 | 2815.- | 1/10 |
| Betagard MB (Metallic Grey) : | | | | | | |
|  1Row, 6Mod | 2 | 4 | 6 | 8GB31810RC02 | 1680.- | 1/10 |
| 1Row, 8Mod | 2 | 6 | 8 | 8GB31811RC02 | 1955.- | 1/10 |
| 1Row, 10Mod | 2 | 8 | 10 | 8GB31812RC02 | 2215.- | 1/10 |
| 1Row, 12Mod | 2 | 10 | 12 | 8GB31813RC02 | 2350.- | 1/10 |
| 1Row, 14Mod | 2 | 12 | 14 | 8GB31814RC02 | 2480.- | 1/10 |
| 1Row, 16Mod | 2 | 14 | 16 | 8GB31815RC02 | 2955.- | 1/10 |
| Betagard MB (Metallic Carbon) : | | | | | | |
|  1Row, 6Mod | 2 | 4 | 6 | 8GB31810RC03 | 1680.- | 1/10 |
| 1Row, 8Mod | 2 | 6 | 8 | 8GB31811RC03 | 1955.- | 1/10 |
| 1Row, 10Mod | 2 | 8 | 10 | 8GB31812RC03 | 2215.- | 1/10 |
| 1Row, 12Mod | 2 | 10 | 12 | 8GB31813RC03 | 2350.- | 1/10 |
| 1Row, 14Mod | 2 | 12 | 14 | 8GB31814RC03 | 2480.- | 1/10 |
| 1Row, 16Mod | 2 | 14 | 16 | 8GB31815RC03 | 2955.- | 1/10 |

Betagard Distribution Boards 8GB0 SPN and TPN DBs

| | Item Description | Incoming Slots (MW) | Outgoing Slots (MW) | Total Slots (MW) | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) |
|---|------------------|---------------------|---------------------|------------------|--------------|-------------|--------------------|
| Plastic Enclosure, IP20: | | | | | | | |
|  | 3/4 Way | – | – | 4 | 8GB0004 | 220.- | 1/50 |
| | 6 Way | – | – | 6 | 8GB0006 | 340.- | 1/25 |
| Double Door SPN DBs, IP42 : | | | | | | | |
|  | 4 Way | 2 | 4 | 6 | 8GB0204RC | 1845.- | 1 |
| | 6 Way | 2 | 6 | 8 | 8GB0206RC | 1900.- | 1 |
| | 8 Way | 2 | 8 | 10 | 8GB0208RC | 2225.- | 1 |
| | 12 Way | 2 | 12 | 14 | 8GB0212RC | 2655.- | 1 |
| | 14 Way | 2 | 14 | 16 | 8GB0214RC | 2725.- | 1 |
| Double Door TPN DBs (Horizontal), IP42 : | | | | | | | |
|  | 4 Way | 8 | 12 | 20 | 8GB0404HRC | 3610.- | 1 |
| | 6 Way | 8 | 18 | 26 | 8GB0406HRC | 4430.- | 1 |
| | 8 Way | 8 | 24 | 32 | 8GB0408HRC | 5375.- | 1 |
| | 12 Way | 8 | 36 | 44 | 8GB0412HRC | 7765.- | 1 |
| Double Door TPN DBs (Vertical), IP42 : | | | | | | | |
|  | 4 Way | 8 | 12 | 20 | 8GB0404VRC | 4790.- | 1 |
| | 6 Way | 8 | 18 | 26 | 8GB0406VRC | 5170.- | 1 |
| | 8 Way | 8 | 24 | 32 | 8GB0408VRC | 5940.- | 1 |
| | 12 Way | 8 | 36 | 44 | 8GB0412VRC | 8360.- | 1 |
| Double Door, Per Phase Isolation TPN DBs (Horizontal), IP42 : | | | | | | | |
|  | 4 Way | 8 | 18 | 26 | 8GB0405HRC | 6315.- | 1 |
| | 6 Way | 8 | 24 | 32 | 8GB0407HRC | 7265.- | 1 |
| | 8 Way | 8 | 30 | 38 | 8GB0409HRC | 9690.- | 1 |
| | 12 Way | 8 | 42 | 50 | 8GB0413HRC | 11665.- | 1 |
| Double Door, Per Phase Isolation TPN DBs (Vertical), IP42 : | | | | | | | |
|  | 4 Way | 8 | 18 | 26 | 8GB0405VRC | 7135.- | 1 |
| | 6 Way | 8 | 24 | 32 | 8GB0407VRC | 7845.- | 1 |
| | 8 Way | 8 | 30 | 38 | 8GB0409VRC | 10780.- | 1 |
| | 12 Way | 8 | 42 | 50 | 8GB0413VRC | 13200.- | 1 |
| Double Door, Phase Segregated TPN DBs (7 segment), IP42: | | | | | | | |
|  | 4 Way | 12 | 12+12 | 36 | 8GB0504 | 8740.- | 1 |
| | 6 Way | 12 | 12+18 | 42 | 8GB0506 | 9885.- | 1 |
| | 8 Way | 12 | 12+24 | 48 | 8GB0508 | 11030.- | 1 |
| | 12 Way | 12 | 12+36 | 60 | 8GB0512 | 13960.- | 1 |

Betagard Distribution Boards 8GB31

| | Item Description | Incoming Slots (MW) | Outgoing Slots (MW) | Total Slots (MW) | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) |
|--|----------------------------|---------------------|---------------------|------------------|--------------|-------------|--------------------|
| Betaflex (Flexi DBs), IP42 : | | | | | | | |
|  | 2Row x 12Mod | — | — | 24 | 8GB31424RC | 4885.- | 1 |
| | 2Row x 16Mod | — | — | 32 | 8GB31426RC | 5185.- | 1 |
| | 4Row x 8Mod | — | — | 32 | 8GB31442RC | 6010.- | 1 |
| | 4Row x 12Mod | — | — | 48 | 8GB31444RC | 6690.- | 1 |
| | 4Row x 16Mod | — | — | 64 | 8GB31446RC | 10260.- | 1 |
| Betabus (Vertical Busbar DBs with MCB as an incomer), IP42 : (Suitable for 5SL/5SP MCBs, upto 125A as an incomer) | | | | | | | |
|  | 4 way | 12 | 12 | 24 | 8GB31471RC | 8950.- | 1 |
| | 6 way | 12 | 18 | 30 | 8GB31473RC | 10890.- | 1 |
| | 8 way | 12 | 24 | 36 | 8GB31474RC | 11490.- | 1 |
| | 12 way | 12 | 36 | 48 | 8GB31477RC | 15625.- | 1 |
| Betabusplus (Vertical Busbar DBs with MCCB as an incomer), IP42 : (Suitable for 3VT1/3VA1 MCCBs, upto 160A as an incomer) | | | | | | | |
|  | 4 way | 12 | 12 | 24 | 8GB31571RC | 10015.- | 1 |
| | 6 way | 12 | 18 | 30 | 8GB31572RC | 12630.- | 1 |
| | 8 way | 12 | 24 | 36 | 8GB31573RC | 13630.- | 1 |
| | 12 way | 12 | 36 | 48 | 8GB31574RC | 18155.- | 1 |
| BetaMulti (DBs for power & communication), IP42 : | | | | | | | |
|  | 12 way SPN, provision | 2 | 12 | 14 | 8GB31215RC | 4950.- | 1 |
| | 4 Way TPN, Provision | 8 | 12 | 20 | 8GB31220RC | 6145.- | 1 |
| | 6 way TPN, provision | 8 | 18 | 26 | 8GB31221RC | 6415.- | 1 |
| | 8 Way TPN Provision | 8 | 24 | 32 | 8GB31222RC | 7085.- | 1 |
| | 12 way SPN, built-in | 2 | 12 | 14 | 8GB31315RC | 6615.- | 1 |
| | 4 Way TPN, Built-in | 8 | 12 | 20 | 8GB31320RC | 7745.- | 1 |
| | 6 way TPN, built-in | 8 | 18 | 26 | 8GB31321RC | 8290.- | 1 |
| | 8 Way TPN, Built-in | 8 | 24 | 32 | 8GB31322RC | 8820.- | 1 |
| Beta CO (DBs with provision for phase changeover switches), IP42 : | | | | | | | |
|  | 4 way, with provision | 8 | 12 | 20 | 8GB31840RC | 8625.- | 1 |
| | 6 way, with provision | 8 | 18 | 26 | 8GB31841RC | 8755.- | 1 |
| | 8 way, with provision | 8 | 24 | 32 | 8GB31842RC | 9560.- | 1 |
| | 12 way, with provision | 8 | 36 | 44 | 8GB31844RC | 11350.- | 1 |
| Beta CO (DBs with built-in pre-wired phase changeover switches), IP42 : | | | | | | | |
|  | 40 A, 4 Way TPN, built-in | 8 | 12 | 20 | 8GB31850RC | 12295.- | 1 |
| | 40 A, 6 Way TPN, built-in | 8 | 18 | 26 | 8GB31851RC | 12685.- | 1 |
| | 40 A, 8 Way TPN, built-in | 8 | 24 | 32 | 8GB31852RC | 13355.- | 1 |
| | 40 A, 12 Way TPN, built-in | 8 | 36 | 44 | 8GB31854RC | 16035.- | 1 |
| | 63 A, 4 Way TPN, built-in | 8 | 12 | 20 | 8GB31860RC | 12820.- | 1 |
| | 63 A, 6 Way TPN, built-in | 8 | 18 | 26 | 8GB31861RC | 13220.- | 1 |
| | 63 A, 8 Way TPN, built-in | 8 | 24 | 32 | 8GB31862RC | 14425.- | 1 |
| | 63 A, 12 Way TPN, built-in | 8 | 36 | 44 | 8GB31864RC | 16295.- | 1 |



Note:

* MRP - Maximum Retail Price


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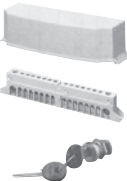
Wire Way Boxes & Modular Device Boxes

| | Item Description | Incoming Slots (MW) | Outgoing Slots (MW) | Total Slots (MW) | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) |
|---|-----------------------------|---------------------|---------------------|------------------|---------------|-------------|--------------------|
| Wire Way Boxes (WWB) | | | | | | | |
|  | WWB for Flexi DB, 8Mod | — | — | — | 8GB9908FWWNT | 1210.- | 1/5 |
| | WWB for Flexi DB, 12Mod | — | — | — | 8GB9912FWWNT | 1350.- | 1/5 |
| | WWB for Flexi DB, 16Mod | — | — | — | 8GB9916FWWNT | 1615.- | 1/5 |
| | WWB for Bus DB | — | — | — | 8GB99BUSWWNT | 1810.- | 1/5 |
| | WWB for Bus Plus DB | — | — | — | 8GB99PLUSWWNT | 1955.- | 1/5 |
| Modular Device Boxes (MDB) | | | | | | | |
|  | MDB for Flexi DB, 8Mod/Row | — | — | 8 | 8GB9908FMDTC | 1480.- | 1/5 |
| | MDB for Flexi DB, 12Mod/Row | — | — | 12 | 8GB9912FMDTC | 1680.- | 1/5 |
| | MDB for Flexi DB, 16Mod/Row | — | — | 16 | 8GB9916FMDTC | 1875.- | 1/5 |
| | MDB for Bus DB | — | — | 12 | 8GB99BUSMBTC | 2085.- | 1/5 |
| | MDB for Bus Plus DB | — | — | 12 | 8GB99PLUSMBTC | 2275.- | 1/5 |

Industrial plug & sockets

| | Item Description | Total Slots (MW) | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) |
|---|---|------------------|--------------|-------------|--------------------|
| Plug & Socket, IP20 with provision for MCB mounting : | | | | | |
|  | 1 Phase 20A, 1P MCB | 1 | 8GB0501RC | 1350.- | 1/20 |
| | 1 Phase 20A, 2P MCB | 2 | 8GB0501SRC | 1350.- | 1/20 |
| | 3 Phase 32A, 3P MCB | 3 | 8GB0502 | 2870.- | 1/15 |
| | 3 Phase 32A, 3P+N MCB | 4 | 8GB0502S | 2870.- | 1/15 |
| | 5 Pin (3P+N+PE) 3Phase 32A MCB 3P+N MCB | 8 | 8GB050332 | 4525.- | 1/5 |
| | 5 Pin (3P+N+PE) 3Phase 63A MCB 3P+N MCB | 8 | 8GB050363 | 11800.- | 1/5 |

Simbox WP




| | Item Description | Total Slots (MW) | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) |
|---|--------------------------------|------------------|--------------|-------------|--------------------|
| Simbox WP (IP65 DBs) | | | | | |
|  | 1 Row, 4Mod | 4 | 8GB13710 | 3895.- | 1 |
| | 1 Row 8Mod | 8 | 8GB13711 | 4950.- | 1 |
| | 1 Row 12Mod | 12 | 8GB13712 | 8835.- | 1 |
| | 1 Row 18Mod | 18 | 8GB13713 | 11445.- | 1 |
| | 2 Row 2 x 12Mod | 24 | 8GB13722 | 14125.- | 1 |
| | 2 Row, 2 x 18Mod | 36 | 8GB13723 | 19920.- | 1 |
| | 3 Row, 3 x 18Mod | 54 | 8GB13733 | 35030.- | 1 |
| 4 Row 4 x 18Mod | 72 | 8GB13743 | 45900.- | 1 | |
| Accessories for Simbox WP | | | | | |
|  | Coupling covers, 12M | | 8GB20510 | 1275.- | 1 |
| | Coupling covers, 18M | | 8GB20511 | 1425.- | 1 |
| | Insulated N/PE terminals, 8MW | | 8GB20520 | 1985.- | 1 |
| | Insulated N/PE terminals, 12MW | | 8GB20521 | 3040.- | 1 |
| | Insulated N/PE terminals, 18MW | | 8GB20522 | 4460.- | 1 |
| | Cylindrical security lock | | 8GB20550 | 3620.- | 1 |

Note: * MRP - Maximum Retail Price

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Betagard Distribution Boards Accessories

| | Item Description | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) |
|--|--|--------------|----------------|-----------------------|
| Blanking Plate | | | | |
| | 0.5 MW | 8GB9905 | 15.- | 25 |
| | 1 MW | 8GB9901 | 45.- | 25 |
| | 1.5 MW | 8GB9902 | 50.- | 25 |
| Insulated Shorting Links | | | | |
| Single Phase Shorting Links for Shorting 1P MCBs | | | | |
| For SPN and TPN PPI DB | | | | |
|  | 5 Leg SP Shorting Link | 8GB9905LSP | 145.- | 10 |
| | 7 Leg SP Shorting Link | 8GB9907LSP | 170.- | 10 |
| | 9 Leg SP Shorting Link | 8GB9909LSP | 200.- | 10 |
| | 11 Leg SP Shorting Link | 8GB9911LSP | 215.- | 10 |
| | 13 Leg SP Shorting Link | 8GB9913LSP | 280.- | 10 |
| | 15 Leg SP Shorting Link | 8GB9915LSP | 340.- | 10 |
| | 17 Leg SP Shorting Link | 8GB9917LSP | 360.- | 10 |
| For TPN DB | | | | |
|  | 4 Leg SP Shorting Link | 8GB9904LSP | 145.- | 10 |
| | 6 Leg SP Shorting Link | 8GB9906LSP | 170.- | 10 |
| | 8 Leg SP Shorting Link | 8GB9908LSP | 200.- | 10 |
| | 10 Leg SP Shorting Link | 8GB9910LSP | 215.- | 10 |
| | 12 Leg SP Shorting Link | 8GB9912LSP | 280.- | 10 |
| | 14 Leg SP Shorting Link | 8GB9914LSP | 340.- | 10 |
| | 16 Leg SP Shorting Link | 8GB9916LSP | 360.- | 10 |
| Two Phase, 1 meter long for shorting 2P MCBs (suitable for maximum of 28 nos. 2MW devices) | | | | |
|  | Shorting link without End caps, Can be cut and used. | 8GB990SLDLP | 3550.- | 1 |
| | End Caps for 2 pole Shorting Links | 8GB990ECLDP | 60.- | 10 |
| Three Phase, 1 meter long for shorting 3P MCBs (suitable for maximum of 19 nos. 3MW devices) | | | | |
|  | Shorting link without Enc caps, Can be cut and used. | 8GB990SLLTP | 3885.- | 1 |
| | End Caps for 3 pole Shorting Links | 8GB990ECLTP | 85.- | 10 |
| Three Phase + N, 1 meter long for shorting TPN MCBs (suitable for maximum of 14 nos. 4MW devices) | | | | |
|  | Shorting link without Enc caps, Can be cut and used. | 8GB990SLLTPN | 4105.- | 1 |
| | End Caps for 3 pole Shorting Links | 8GB990ECLTPN | 110.- | 10 |
| Neutral Terminals | | | | |
| Neutral Terminals For 8GB0 and 8GB31 DBs (Along with Mounting Stands) | | | | |
|  | 5 Way Neutral Link | 8GB9905NL | 155.- | 10 |
| | 11 Way Neutral Link | 8GB9911NL | 230.- | 10 |
| | 13 Way Neutral Link | 8GB9913NL | 265.- | 10 |
| | 15 Way Neutral Link | 8GB9915NL | 295.- | 10 |
| Neutral Terminals For 8GB32 DBs (With Terminal Shroud and Cover) | | | | |
|  | Neutral Terminal 5 Holes | 8GB9905NPE | 170.- | 10 |
| | Neutral Terminal 11 Holes | 8GB9911NPE | 240.- | 10 |
| | Neutral Terminal 13 Holes | 8GB9913NPE | 280.- | 10 |
| | Neutral Terminal 15 Holes | 8GB9915NPE | 315.- | 10 |
| Earth Terminals | | | | |
|  | 5 Way Earth Link | 8GB9905EL | 130.- | 10 |
| | 11 Way Earth Link | 8GB9911EL | 220.- | 10 |
| | 13 Way Earth Link | 8GB9913EL | 240.- | 10 |
| | 15 Way Earth Link | 8GB9915EL | 280.- | 10 |

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5SD7 Surge Protection Devices

Seamless and safe

SENTRON Surge Protection Devices are available in the following types:

Type 1 - For incoming power supply panels, in buildings with lightning protection system. Must be accompanied by downstream Type 2 protector

Type 2 - For distribution panels located downstream of Type 1 protectors or in incoming supply panels in areas of low exposure to lightning strikes, where the building is not fitted with lightning protection system

Type 3 - Always installed downstream of Type 2 protection designed to protect sensitive equipment or equipment located more than 20m downstream of Type 2 SPD

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Surge Protection Devices

For protection of equipment against Lightning and Switching surges

Type 1 : Lightning Arresters

For TN-S/ TT system

Rated Voltage $U_N = 240/415V$ AC

Max. continuous operating voltage $U_C = 350V$ AC

Back up fuse rating = 125A gL/gG

SC capacity with backup fuse = 50kA

Protection level

$U_p: 1.5 - 2.5kV$



5SD74121

5SD74141

| Lightning Impulse current I_{imp} (10/350 s) | | Pole | Reference No. | LP* ₹ |
|--|-------|------|---------------|----------|
| L-N or L-(PE)N, 1P/3P | N-PE | | | |
| NEW 25kA | 100kA | 1P+N | 5SD74121 | 32300.- |
| 25/75kA | 100kA | 3P+N | 5SD74141 | 62000.- |

For TN-C system

Rated Voltage $U_N = 240/415V$ AC

Max. continuous operating voltage $U_C = 350V$ AC

Back up fuse rating = 125A gL/gG

SC capacity with backup fuse = 50kA

Protection level

$U_p \leq 1.5kV$



5SD74131

| Lightning Impulse current I_{imp} (10/350 s) | | Pole | Reference No. | LP* ₹ |
|--|------|------|---------------|----------|
| L-N or L-(PE)N, 1P/3P | N-PE | | | |
| 25/75 | - | 3P | 5SD74131 | 49815.- |

Type 2 : Surge Arresters

For TN-S/ TT system

Rated Voltage $U_N = 240/415V$ AC

Max. continuous operating voltage
 $U_C = 350V/260V$ AC (L-N/N-PE)

Back up fuse rating = 80A gL/gG

SC capacity with backup fuse = 25kA

Protection level

$U_p: 1.5 - 1.9kV$

Rated Discharge Surge Current $I_n = 20kA$



5SD74641

5SD74221

| Lightning Impulse current I_{imp} (10/350 s) | | Remote Signaling | Pole | Reference No. | LP* ₹ |
|--|------|------------------|------|---------------|----------|
| L-N or L-(PE)N, 1P/3P | N-PE | | | | |
| 40kA | 40kA | No | 3P+N | 5SD74640 | 23745.- |
| NEW 40kA | 40kA | Yes | 3P+N | 5SD74641 | 19590.- |
| NEW 40kA | 40kA | No | 1P+N | 5SD74220 | 15125.- |
| NEW 40kA | 40kA | Yes | 1P+N | 5SD74221 | 10875.- |

For TN-C system

Rated Voltage $U_N = 240/415V$ AC

Max. continuous operating voltage $U_C = 350V$

Rated Discharge Surge Current $I_n = 20kA$

Back up fuse rating = 80A gL/gG

SC capacity with backup fuse = 25kA

Protection level

$U_p \leq 1.5kV$



5SD74631

| Maximum discharge surge current I_{max} | | Remote Signaling | Pole | Reference No. | LP* ₹ |
|---|--|------------------|------|---------------|----------|
| L-N or L-(PE)N, 1P | | | | | |
| 40kA | | No | 3P | 5SD74630 | 22715.- |
| NEW 40kA | | Yes | 3P | 5SD74631 | 15190.- |

L - Line, N - Neutral, PE - Protective Earth

Note: Standard packing: 1 unit

* LP : List Price

Surge Protection Devices

For protection of equipment against Lightning and Switching surges

Type 3 : Surge Arresters

For TN-S/ TT system

Rated Voltage $U_N = 230/400V$ AC

Max. continuous operating voltage $U_C = 264V/335V$ AC (2P/4P)

Rated Current = 26A

Back up fuse rating = 25A gL/gG

Protection Level $U_p < 1.5kV$



5SD74321 5SD74341

| Rated discharge surge current I_n | Pole | Reference No. | LP* ₹ |
|-------------------------------------|------|---------------|----------|
| 3kA | 2P | 5SD74321 | 10620.- |
| NEW 1.5kA | 4P | 5SD74341 | 21340.- |

Photovoltaic Surge Arresters

Due to the combination of three power varistors, the overvoltage protection required for the inverters is implemented on the DC side. On the AC side, the overvoltage protection can be ensured using surge arresters type 2 (5SD7422-/ 5SD7424-)

Lightning Impulse current (L-N/ L-(PE)N) $\leq 5kA$

Rated discharge surge current $I_n = 15kA$

Max discharge surge current $I_n = 40kA$

Protection Level $U_p \leq 3.5kV$



5SD74836

| NEW Max. continuous operating voltage U_C | Remote Signaling | Reference No. | LP* ₹ |
|--|------------------|---------------|----------|
| 1000V DC | No | 5SD74836 | 19305.- |

Replacement Plug



| SPD Type | Type | Connection | Reference No. | LP* ₹ |
|-------------|--------|------------|---------------|----------|
| 5SD74121 | Type 1 | L-N | 5SD74181 | 17585.- |
| 5SD74131 | | | | |
| 5SD74141 | | N-PE | 5SD74180 | 11680.- |
| 5SD74121 | | | | |
| 5SD74131 | Type 2 | L-N | 5SD74681 | 4590.- |
| 5SD74141 | | | | |
| 5SD7463-0/1 | | N-PE | 5SD74880 | 4590.- |
| 5SD7464-0/1 | | | | |
| 5SD7464-0/1 | L-N | 5SD74281 | 3540.- | |
| 5SD7422-0/1 | | | | |
| 5SD7422-0/1 | N-PE | 5SD74280 | 6700.- | |
| 5SD7422-0/1 | | | | |
| 5SD7483-6 | PV | - | 5SD74983 | 5200.- |

* Also available Type 1+ Type 2 and Type1/2 Compact SPDs for protection against overvoltages from Lightning strikes as well as by switching operations in network

Note:

Standard packing: 1 unit

* LP - List Price

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Modular Devices

For efficient control and monitoring


- 7LF time switch - Digital and Analog timers for all applications; available in Mini, Top, Profi, Astro, Expert and Expert GPS variants
- 5TT5 insta contactors – For all control applications; also with Manual/Automatic switching indicator
- DIN mounted phase indicators, monitoring relays and measuring devices for final distribution circuits

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Modular Devices

| | Item Description | Rated Current I _n (A) | MW# | Reference No | Unit LP* ₹ | Std. Pkg.** (Nos.) |
|--|---|-------------------------------------|----------|--------------|---------------|-----------------------|
| Changeover switches Standards: IEC 60947-3/DIN EN 60947-3 | | | | | | |
|  | 1C/O, 230V | 20 | 1 | 5TE8161 | 1510.- | 1/10 |
| | 2C/O, 400V | 20 | 1 | 5TE8162 | 2755.- | 1/10 |
| | Group switch, center position, 2C/O, 400V | 20 | 1 | 5TE8142 | 3180.- | 1/10 |
| Insta Contactors Standards: EN 60947-4-1, EN 60947-5-1 | | | | | | |
|  | 2NO contacts, 230Vac | 20 | 1 | 5TT58000 | 2400.- | 1/5 |
| | 3NO+1NC contacts, 230Vac/220Vdc (1NC contact rated for 30A) | 40 | 3 | 5TT58410 | 6560.- | 1/5 |
| | 3NO+1NC contacts, 24Vac/24Vdc (1NC contact rated for 30A) | 40 | 3 | 5TT58412 | 6585.- | 1/5 |
| | 4NO contacts, 230Vac/220Vdc | 40 | 3 | 5TT58400 | 6605.- | 1/5 |
| | 4NO contacts, 24Vac/24Vdc | 40 | 3 | 5TT58402 | 6490.- | 1/5 |
| | 3NO+1NC contacts, 230Vac/220Vdc (1NC contact rated for 30A) | 63 | 3 | 5TT58510 | 9130.- | 1/5 |
| | 3NO+1NC contacts, 24Vac/24Vdc, (1NC contact rated for 30A) | 63 | 3 | 5TT58512 | 9655.- | 1/5 |
| | 4NO contacts, 230Vac/220Vdc | 63 | 3 | 5TT58500 | 8370.- | 1/5 |
| 4NO contacts, 24Vac/24Vdc | 63 | 3 | 5TT58502 | 8825.- | 1/5 | |
| Insta Contactors Manual / Automatic with Switching Indicator Standards: IEC60947-4-1, IEC60947-5-1 | | | | | | |
|  | 2NO contacts, 230Vac | 20 | 1 | 5TT58006 | 3190.- | 1/5 |
| | 1NO+1NC contacts, 230Vac | 20 | 1 | 5TT58016 | 4805.- | 1/5 |
| | 4NO contacts, 230Vac | 25 | 2 | 5TT58306 | 4520.- | 1/5 |
| | 4NO contacts, 400Vac | 40 | 3 | 5TT58406 | 9945.- | 1/5 |
| | 4NO contacts, 400Vac | 63 | 3 | 5TT58506 | 12605.- | 1/5 |
| Accessories | | | | | | |
| | Control Switch with 1 Make and 1 Break Contact For AC 230V/400V For 5TT58 and 5TT50 | | | 5TT59101 | 2725.- | 1/10 |

Measuring Selector switches are used as CO contacts of the phase for voltages and currents in 3-phase systems for Voltmeters and Ammeters. The design of these switches is adapted to match the modular installation devices. They support use in compliance with EN 60947-3. The device has a rated insulation voltage of 660V. This permits use in many systems.






| | Item Description | Voltage V AC | Voltage V DC | Current A AC | MW# | Reference No | Unit LP* ₹ | Std. Pkg.** (Nos.) |
|---|---|-----------------|-----------------|-----------------|-----|--------------|---------------|-----------------------|
| Measuring Selector Switches | | | | | | | | |
|  | Voltmeter Selector Switches | 400 | 6 | 12 | 3 | 7KT9010 | 5085.- | 1 |
| | Ammeter Selector Switches for Transformer operation | 400 | 6 | 12 | 3 | 7KT9011 | 5565.- | 1 |

Note:

* LP - List Price # 1MW (Module Width) = 18mm

** Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

Modular Devices




| | Item Description | Rated Current I _n (A) | MW [#] | Reference No | Unit LP* ₹ | Std. Pkg.** (Nos.) |
|---|--|-------------------------------------|-----------------|--------------|---------------|-----------------------|
| Voltage Relays | | | | | | |
| Standards: IEC 60255, DIN VDE 0435-303 | | | | | | |
|  | Voltage relay for undervoltage monitoring of 1,2,3 phases against N with phase failure detection, Switching thresholds 0.7-0.9xV, not adjustable; 2 C/O contacts, 4A, 230/400Vac | 4 | 2 | 5TT3402 | 10520.- | 1 |
| | Voltage relay for undervoltage monitoring of 1,2,3 phases against N, short time failure detection with phase failure detection and N conductor monitoring, Switching thresholds 0.8-0.85xV, not adjustable; 2 C/O contacts, 230/400Vac | 4 | 2 | 5TT3407 | 17515.- | 1 |
| | Voltage relay for over and undervoltage monitoring of 3 phases against N with asymmetry, reverse voltage and phase failure detection with N conductor monitoring and adj. Time delay of 0.1 to 20s, Switching thresholds: U/voltage 0.7-1.1xV, 4% hysteresis, adjustable, O/voltage 0.9-1.1xV, 4% hysteresis, adjustable; 2 C/O contacts, 230/400Vac | 4 | 2 | 5TT3408 | 20165.- | 1 |
| | Neutral conductor monitor with asymmetry detection and N conductor monitoring, 2C/O contacts, 230/400Vac | 4 | 2 | 5TT3410 | 16810.- | 1 |
| Ammeters & Voltmeters | | | | | | |
|  | Digital Voltmeter, 12...600Vac | | 2 | 7KT1110 | 14550.- | 1/5 |
| | Digital Ammeter, direct connection 0.4...20A (With CTs 0.1....1000/5) | | 2 | 7KT1120 | 14550.- | 1/5 |
| RYG 3 phase indicator in 1MW | | | | | | |
|  | 3 phase indicator (all with green color cap) | | 1 | 5TE5802 | 2715.- | 1/10 |
| | 3 phase indicator (red/yellow/green) | | 1 | 5TE5803 | 2310.- | 1/10 |
| | Transparent cap (1 set = 3 items, R, Y, G lens) | | | 5TG8070 | 750.- | 1/10 |
| Power ON Indicator (Economy Version) 230 Vac, 1 Phase | | | | | | |
|  | Light indicators for max. cable length up to 5 m with 1 red lamp | | 1 | 5TE5800 | 1435.- | 1/12 |
| | Light indicators for max. cable length up to 250 m with 1 red lamp | | 1 | 5TE5804 | 1145.- | 1/12 |
| | Transparent cap (Red) | | | 5TG8061 | 105.- | 5 |
| | Transparent cap (Green) | | | 5TG8062 | 105.- | 5 |
| | Transparent cap (Yellow) | | | 5TG8063 | 105.- | 5 |
| | Transparent cap (Blue) | | | 5TG8064 | 105.- | 5 |
| Fuse Monitor | | | | | | |
|  | Fuse monitors with transparent caps for all low voltage fuse systems, 230Vac | 4 | 2 | 5TT3170 | 8250.- | 1 |

Note:

* LP - List Price

1MW (Module Width) = 18mm

Modular Devices

| | Item Description | Rated Current I _n (A) | MW# | Reference No | Unit LP* ₹ | Std. Pkg.** (Nos.) |
|---|---|-------------------------------------|-----|--------------|---------------|-----------------------|
| Time Switches (Digital) | | | | | | |
|  | Mini digital, daily/weekly program, 100 hours reserve, 230Vac | 16 | 1 | 7LF44015 | 8205.- | 1 |
| | Yearly time switch top digital 230V, 1 channel | 16 | 2 | 7LF45110 | 7560.- | 1 |
| | Yearly time switch top digital 230V, 2 channel | 16 | 2 | 7LF45120 | 16450.- | 1 |
| | Weekly time switch profi digital 230V, 1 channel | 16 | 2 | 7LF45210 | 15325.- | 1 |
| | Weekly time switch profi digital 230V, 2 channel | 16 | 2 | 7LF45220 | 19815.- | 1 |
| | Weekly time switch astro digital 230V, 1 channel | 16 | 2 | 7LF45310 | 13700.- | 1 |
| | Weekly time switch astro digital 230V, 2 channel | 16 | 2 | 7LF45320 | 35510.- | 1 |
| | Expert digital, daily/weekly/yearly program, 5 years reserve, 120/230Vac, 4 channels system | 16 | 6 | 7LF44440 | 34425.- | 1 |
| Time Switches (Mechanical) Standards: EN 60730-1 | | | | | | |
|  | NEW Quartz time switch Day 1 NO 230V/50-60Hz 1 MW with power reserve | 16 | 1 | 7LF53011 | 5175.- | 1 |
| | NEW Synchronous time switches without power reserve, for DIN rail mounting, day disk, 1CO, 230V AC | 16 | 3 | 7LF53005 | 2855.- | 1 |
| | NEW Quartz-clock time switches with power reserve for DIN rail mounting, day disk, 1CO, 230V AC | 16 | 3 | 7LF53016 | 5525.- | 1 |
| | Quartz-clock time switches with power reserve for wall mounting, day disk, 1CO, 250Vac | 16 | — | 7LF53050 | 8265.- | 1 |
| | Synchronous time switches without power reserve, for wall mounting, day disk, 1CO, 250Vac | 16 | — | 7LF53010 | 5040.- | 1 |
| 7LF53005 | | | | | | |
| Accessories for Digital Time Switches | | | | | | |
|  | Data key for storing & transferring data (Expert) | | | 7LF49402 | 1600.- | 1 |
| | USB adapter and software | | | 7LF49410 | 23300.- | 1 |
| | Data key profi, astro | | | 7LF49411 | 2370.- | 1 |

Terms and Conditions

- MRPs/LPs are subject to revision without prior notice.
- The company reserves the right to supply goods at its works or godown at its discretion.
- **Export control regulation - retention clause:** The fulfillment of the agreement on Siemens part is subject to the provision that this shall not be prevented by implements on the grounds of national and international legal requirements, in particular export control provision.
- **This supercedes all previous Price Lists.**
- **Maximum Retail Prices (MRPs) mentioned in the publication are maximum recommended selling prices.**
- **List Prices (LPs) mentioned are exclusive of all taxes.**

Ask your nearest Siemens partners to include you in our mailing list.

Note:


* LP - List Price

1MW (Module Width) = 18mm


** Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

Moulded Case Circuit Breakers[®] 3VT1, 2, 3 MCCBs

3VT1#, 415 V AC, 50 Hz MCCB, Thermal Magnetic Release for line protection (Fixed Overload & Fixed Short Circuit Settings)

| | Rated Current, A | 3VT1 3 pole Reference No. | Unit LP* ₹ | 3VT1 4 pole Reference No | Unit LP* ₹ | Std. Pkg. (Nos.) |
|---|------------------|---------------------------|------------|--------------------------|------------|------------------|
|  | 40 | 3VT1704-2DA36-0AA0 | - | 3VT1704-2EA46-0AA0 | - | 1 |
| | 63 | 3VT1706-2DA36-0AA0 | - | 3VT1706-2EA46-0AA0 | - | 1 |
| | 80 | 3VT1708-2DA36-0AA0 | - | 3VT1708-2EA46-0AA0 | - | 1 |
| | 100 | 3VT1710-2DA36-0AA0 | - | 3VT1710-2EA46-0AA0 | - | 1 |
| | 125 | 3VT1712-2DA36-0AA0 | - | 3VT1712-2EA46-0AA0 | - | 1 |
| | 160 | 3VT1716-2DA36-0AA0 | - | 3VT1716-2EA46-0AA0 | - | 1 |

(Adjustable Overload & Adjustable Short Circuit Settings)

| | Rated Current, A | 3VT1 3 pole Reference No. | Unit LP* ₹ | 3VT1 4 pole Reference No | Unit LP* ₹ | Std. Pkg. (Nos.) |
|---|------------------|---------------------------|------------|--------------------------|------------|------------------|
|  | 16 | 3VT1701-2DC36-0AA0 | - | 3VT1701-2EC46-0AA0 | - | 1 |
| | 25 | 3VT1792-2DC36-0AA0 | - | 3VT1792-2EC46-0AA0 | - | 1 |
| | 32 | 3VT1703-2DC36-0AA0 | - | 3VT1703-2EC46-0AA0 | - | 1 |
| | 40 | 3VT1704-2DC36-0AA0 | - | 3VT1704-2EC46-0AA0 | - | 1 |
| | 63 | 3VT1706-2DC36-0AA0 | - | 3VT1706-2EC46-0AA0 | - | 1 |
| | 80 | 3VT1708-2DC36-0AA0 | - | 3VT1708-2EC46-0AA0 | - | 1 |
| | 100 | 3VT1710-2DC36-0AA0 | - | 3VT1710-2EC46-0AA0 | - | 1 |
| | 125 | 3VT1712-2DC36-0AA0 | - | 3VT1712-2EC46-0AA0 | - | 1 |
| | 160 | 3VT1716-2DC36-0AA0 | - | 3VT1716-2EC46-0AA0 | - | 1 |

3VT2/3, 415 V AC, 50 Hz MCCB, Microprocessor based Release for line protection (Adjustable Overload & Adjustable Short Circuit Settings)

| Rated Current, A | 3VT2/3 (Base Unit) Reference No. 3 pole | Unit LP* ₹ | 3VT2/3 (Base Unit) Reference No. 4 pole | Unit LP* ₹ | ETU Reference No. | Unit LP* ₹ |
|------------------|---|------------|---|------------|-------------------|------------|
| 3VT2 & 3, 36kA | | | | | | |
| 200A | 3VT2725-2AA36-0AA0 | - | 3VT2725-2AA46-0AA0 | - | 3VT9225-6AC00 | - |
| 250A | 3VT2725-2AA36-0AA0 | - | 3VT2725-2AA46-0AA0 | - | 3VT9225-6AC00 | - |
| 400A | 3VT3763-2AA36-0AA0 | - | 3VT3763-2AA46-0AA0 | - | 3VT9340-6AC00 | - |
| 630A | 3VT3763-2AA36-0AA0 | - | 3VT3763-2AA46-0AA0 | - | 3VT9363-6AC00 | - |

| Accessories | 3VT1 Reference No. | Unit LP* ₹ | 3VT2 Reference No | Unit LP* ₹ | 3VT3 Reference No. | Unit LP* ₹ |
|-------------------------------|--------------------|------------|-------------------|------------|--------------------|------------|
| Auxiliary Switch [§] | 3VT9100-2AB10 | - | 3VT9300-2AC10 | - | 3VT9300-2AC10 | - |
| Alarm Switch [^] | 3VT9100-2AH10 | - | 3VT9300-2AD10 | - | 3VT9300-2AD10 | - |
| Door mounted Rotary handle | 3VT9100-3HQ00 | - | 3VT9200-3HQ00 | - | 3VT9300-3HQ00 | - |

Note : The ordering of Microprocessor based MCCB's above 200A includes ordering of Base Unit + Electronic Trip Unit (ETU) separately


§ Auxiliary switch for 3VT1 is 1 C/O & for 3VT2 ,3 is 1NO; ^ Alarm switch for 3VT1 is 1 C/O & for 3VT2 ,3 is 1NC;

3VT1 MCCBs are suitable for mounting in Beta Bus Plus Distribution Boards

@ Kindly refer latest Power Distribution Products Price List for prices

Raja⁺ DOL Starters[®] 3TW Direct On Line Starters

Ue: 415V, 3ph, 50Hz DOL Starter in sheet steel housing, including bimetal relay with single phasing protection

| | Motor rating | | Relay Range A | Reference No ¹⁾ | Unit MRP* ₹ | Std. Pkg. (Nos.) |
|---|--------------|------|---------------|----------------------------|-------------|------------------|
| | HP | kW | | | | |
|  | 0.33 | 0.25 | 0.63-1 | 3TW72 91-1A.64 | - | 1 |
| | 0.75 | 0.55 | 1-1.6 | 3TW72 91-1A.66 | - | 1 |
| | 1 | 0.75 | 1.6-2.5 | 3TW72 91-1A.68 | - | 1 |
| | 1.5 | 1.1 | 2-3.2 | 3TW72 91-1A.69 | - | 1 |
| | 2 | 1.5 | 3.2-5 | 3TW72 91-1A.71 | - | 1 |
| | 3 | 2.2 | 4-6.3 | 3TW72 91-1A.72 | - | 1 |
| | 5 | 3.7 | 6.3-10 | 3TW72 91-1A.74 | - | 1 |
| | - | - | 8-12.5 | 3TW72 91-1A.75 | - | 1 |
| | 7.5 | 5.5 | 10-16 | 3TW72 91-1A.77 | - | 1 |
| | 10 | 7.5 | 12.5-20 | 3TW72 91-1A.78 | - | 1 |


1) Enter code for coil voltage, 50Hz (B for 200-400V, W for 415V)

@ Kindly refer latest Motor Control Products Price List for prices

* MRP - Maximum Retail Price LP - List Price


Switch disconnecter fuse[@] Superswitch 3KL8 in open execution TPN

Switch Disconnector fuse: 3KL8 for power distribution (in Open Execution TPN)[^]

| | Rated current I _e @ 690V AC 50Hz | SDF suitable for DIN type HRC Fuses | SDF suitable for BS type HRC Fuses | SDF suitable for cylindrical type HRC Fuses | Std. pkg. (nos.) |
|---|--|--|---------------------------------------|--|---------------------|
|  | 20A | 3KL8111-5TA00 | 3KL8111-5TJ00 | 3KL8111-5TC00 | 1 |
| | 32A | 3KL8121-5TA00 | 3KL8121-5TJ00 | 3KL8121-5TC00 | 1 |
| | 63A | 3KL8151-5TA00 | 3KL8151-5TJ00 | 3KL8151-5TC00 | 1 |
| | 100A | 3KL8211-5TA00 | 3KL8211-5TJ00 | - | 1 |
| | 125A | 3KL8221-5TA00 | 3KL8221-5TJ00 | - | 1 |
| | 160A | 3KL8231-5TA00 | 3KL8231-5TJ00 | - | 1 |
| | 200A | 3KL8311-5UA00 | 3KL8311-5UJ00 | - | 1 |
| | 250A | 3KL8321-5UA00 | 3KL8321-5UJ00 | - | 1 |
| | 315A | 3KL8331-5UA00 | 3KL8331-5UJ00 | - | 1 |
| | 400A [§] | 3KL8341-5UA00 | 3KL8341-5UJ00 | - | 1 |
| | 500A | 3KL8411-5UA00 | 3KL8411-5UJ00 | - | 1 |
| | 630A | 3KL8421-5UA00 | 3KL8421-5UJ00 | - | 1 |
| | 800A [§] | 3KL8431-5UA00 | 3KL8431-5UJ00 | - | 1 |

[^] TPN is 3 Pole with neutral link

Selection table for SS Housing for 3KL8




| | Rated current I _e (A) | Reference No | Unit MRP* ₹ | Std. Pkg. (Nos.) |
|---|-------------------------------------|--------------|----------------|---------------------|
|  | 3KL81 (20A - 63A) | 3KX8155-4AC | - | 1 |
| | 3KL82 (100A - 160A) | 3KX8235-4AC | - | 1 |
| | 3KL83 (200A - 400A) | 3KX8345-4AC | - | 1 |
| | 3KL84 (500A - 800A) | 3KX8435-4AC | - | 1 |

| Rated current I _e (A) | Gland box Reference No. | Unit MRP* ₹ | Gland Plate Reference No. | Unit MRP* ₹ | Std Pkg. (Nos.) |
|----------------------------------|-------------------------|-------------|---------------------------|-------------|-----------------|
| 3KL81(20A-63A) | 3KX8235-4DC | - | 3KX8235-4GC | - | 1 |
| 3KL82(100A-160A) | 3KX8235-4DC | - | 3KX8235-4GC | - | 1 |
| 3KL83(200A-400A) | 3KX8345-4DC | - | 3KX8345-4GC | - | 1 |
| 3KL84(500A-800A) | 3KX8435-4DC | - | 3KX8435-4GC | - | 1 |

LV HRC Fuses[@]

DIN Type Fuse



Rated voltage: 500 V AC

| | Size | Rated current A | Reference No | Unit MRP* ₹ | Std. Pkg. (Nos.) |
|---|--------------|-----------------|--------------|----------------|---------------------|
|  | 000 | 2 | 3NA7 802-ORC | - | 1/6 |
| | | 4 | 3NA7 804-ORC | - | |
| | | 6 | 3NA7 801-ORC | - | |
| | | 10 | 3NA7 803-ORC | - | |
| | | 16 | 3NA7 805-ORC | - | |
| | | 20 | 3NA7 807-ORC | - | |
| | | 25 | 3NA7 810-ORC | - | |
| | | 32 | 3NA7 812-ORC | - | |
| | | 40 | 3NA7 817-ORC | - | |
| | | 50 | 3NA7 820-ORC | - | |
|  | 00 | 63 | 3NA7 822-ORC | - | |
| | | 80 | 3NA7 824-ORC | - | |
| | | 100 | 3NA7 830-ORC | - | |
|  | 1 | 125 | 3NA7 832-ORC | - | 1/3 |
| | | 160 | 3NA7 836-ORC | - | |
| | | 50 | 3NA7 120-ORC | - | |
| | | 63 | 3NA7 122-ORC | - | |
| | | 80 | 3NA7 124-ORC | - | |
| | | 100 | 3NA7 130-ORC | - | |
| | | 125 | 3NA7 132-ORC | - | |
| | | 160 | 3NA7 136-ORC | - | |
| 200 | 3NA7 140-ORC | - | | | |
| 224 | 3NA7 142-ORC | - | | | |
| 250 | 3NA7 144-ORC | - | | | |


[#] 400 & 800A fuses - Rated voltage at 415 V AC
[§]- AC23A @ 550V AC

Note: * MRP - Maximum Retail Price

[@] Kindly refer latest Power Distribution Products Price List for prices

| | Size | Rated current A | Reference No | Unit MRP* ₹ | Std. Pkg. (Nos.) |
|---|------|------------------|--------------|----------------|---------------------|
|  | 2 | 200 | 3NA7 240-ORC | - | 1/3 |
| | | 250 | 3NA7 244-ORC | - | |
| | | 315 | 3NA7 252-ORC | - | |
| | | 400 [‡] | 3NA7 260-ORC | - | |
|  | 3 | 315 | 3NA3 352-ORC | - | 1/3 |
| | | 400 | 3NA3 360-ORC | - | |
| | | 500 | 3NA3 365-ORC | - | |
| | | 630 | 3NA3 372-ORC | - | |
| | | 800 [‡] | 3NA3 375-ORC | - | |





BS Fuses

| | Type | Rated current A | Reference No | Unit MRP* ₹ | Std. Pkg. (Nos.) |
|---|------------|-----------------|--------------|----------------|---------------------|
|  | Offset Tag | 2 | 3NW TIA2 | - | 20 |
| | | 4 | 3NW TIA4 | - | |
| | | 6 | 3NW TIA6 | - | |
| | | 10 | 3NW TIA10 | - | |
| | | 16 | 3NW TIA16 | - | |
| | | 20 | 3NW TIA20 | - | |
| | | 25 | 3NW TIA25 | - | |
| | | 32 | 3NW TIA32 | - | |
| | | 40 | 3NW TIS40 | - | |
| | | 50 | 3NW TIS50 | - | |
| | | 63 | 3NW TIS63 | - | |

Available till stock last

Betagard Circuit Breakers 5SY7, 15kA with D Characteristics



- Standards: IEC/EN 60947-2
- Voltage: Un 230/400V AC, 50....60Hz can be used in systems upto 60V DC for 1P and 110V DC for 2P
- Breaking capacity: 15kA as per IEC/EN 60947-2

| 15000A | Rated Current I_n (A) | MW# | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) |
|---|----------------------------|------------|--------------|----------------|-----------------------|
|  | 1P, 230/400V AC | 1 | 5SY71058CC | 490.- | 1/12 |
| | 1 | | 5SY71018CC | 490.- | 1/12 |
| | 2 | | 5SY71028CC | 490.- | 1/12 |
| | 3 | | 5SY71038CC | 490.- | 1/12 |
| | 4 | | 5SY71048CC | 490.- | 1/12 |
| | 6 | | 5SY71068CC | 425.- | 1/12 |
| | 8 | | 5SY71088CC | 425.- | 1/12 |
| | 10 | | 5SY71108CC | 425.- | 1/12 |
| | 13 | | 5SY71138CC | 425.- | 1/12 |
| | 16 | | 5SY71168CC | 425.- | 1/12 |
| | 20 | | 5SY71208CC | 425.- | 1/12 |
| | 25 | | 5SY71258CC | 425.- | 1/12 |
| | 32 | | 5SY71328CC | 425.- | 1/12 |
| | 40 | | 5SY71408CC | 765.- | 1/12 |
| | 50 | | 5SY71508CC | 775.- | 1/12 |
| 63 | | 5SY71638CC | 775.- | 1/12 | |
|  | 2P, 400V AC | 2 | 5SY72058CC | 1260.- | 1/6 |
| | 1 | | 5SY72018CC | 1260.- | 1/6 |
| | 2 | | 5SY72028CC | 1260.- | 1/6 |
| | 3 | | 5SY72038CC | 1260.- | 1/6 |
| | 4 | | 5SY72048CC | 1260.- | 1/6 |
| | 6 | | 5SY72068CC | 960.- | 1/6 |
| | 8 | | 5SY72088CC | 960.- | 1/6 |
| | 10 | | 5SY72108CC | 960.- | 1/6 |
| | 13 | | 5SY72138CC | 960.- | 1/6 |
| | 16 | | 5SY72168CC | 960.- | 1/6 |
| | 20 | | 5SY72208CC | 960.- | 1/6 |
| | 25 | | 5SY72258CC | 960.- | 1/6 |
| | 32 | | 5SY72328CC | 960.- | 1/6 |
| | 40 | | 5SY72408CC | 1665.- | 1/6 |
| | 50 | | 5SY72508CC | 1665.- | 1/6 |
| 63 | | 5SY72638CC | 1665.- | 1/6 | |
|  | 3P, 400V AC | 3 | 5SY73058CC | 1930.- | 1/4 |
| | 1 | | 5SY73018CC | 1930.- | 1/4 |
| | 2 | | 5SY73028CC | 1930.- | 1/4 |
| | 3 | | 5SY73038CC | 1930.- | 1/4 |
| | 4 | | 5SY73048CC | 1930.- | 1/4 |
| | 6 | | 5SY73068CC | 1530.- | 1/4 |
| | 8 | | 5SY73088CC | 1530.- | 1/4 |
| | 10 | | 5SY73108CC | 1530.- | 1/4 |
| | 13 | | 5SY73138CC | 1530.- | 1/4 |
| | 16 | | 5SY73168CC | 1530.- | 1/4 |
| | 20 | | 5SY73208CC | 1530.- | 1/4 |
| | 25 | | 5SY73258CC | 1530.- | 1/4 |
| | 32 | | 5SY73328CC | 1530.- | 1/4 |
| | 40 | | 5SY73408CC | 2595.- | 1/4 |
| | 50 | | 5SY73508CC | 2595.- | 1/4 |
| 63 | | 5SY73638CC | 2595.- | 1/4 | |
|  | 4P, 400V AC | 4 | 5SY74058CC | 2680.- | 1/3 |
| | 1 | | 5SY74018CC | 2680.- | 1/3 |
| | 2 | | 5SY74028CC | 2470.- | 1/3 |
| | 3 | | 5SY74038CC | 2470.- | 1/3 |
| | 4 | | 5SY74048CC | 2470.- | 1/3 |
| | 6 | | 5SY74068CC | 2020.- | 1/3 |
| | 8 | | 5SY74088CC | 2020.- | 1/3 |
| | 10 | | 5SY74108CC | 2020.- | 1/3 |
| | 13 | | 5SY74138CC | 2020.- | 1/3 |
| | 16 | | 5SY74168CC | 2020.- | 1/3 |
| | 20 | | 5SY74208CC | 2020.- | 1/3 |
| | 25 | | 5SY74258CC | 2020.- | 1/3 |
| | 32 | | 5SY74328CC | 2020.- | 1/3 |
| | 40 | | 5SY74408CC | 3255.- | 1/3 |
| | 50 | | 5SY74508CC | 3255.- | 1/3 |
| 63 | | 5SY74638CC | 3255.- | 1/3 | |

Available till stock last

Betagard Circuit Breakers 5SY5, 10kA DC with C Characteristics

- Standards: IS/IEC 60947-2
- Voltage: 220V DC/1P & 440VDC/2P
- Breaking capacity: 10kA as per IS/IEC 60947-2


| 10000A | Rated Current I_n (A) | MW# | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) |
|---|----------------------------|------------|--------------|----------------|-----------------------|
| 1P, 220V DC  | 0.5 | 1 | 5SY51057CC | 680.- | 1/12 |
| | 1 | | 5SY51017CC | 680.- | 1/12 |
| | 2 | | 5SY51027CC | 735.- | 1/12 |
| | 3 | | 5SY51037CC | 735.- | 1/12 |
| | 4 | | 5SY51047CC | 735.- | 1/12 |
| | 6 | | 5SY51067CC | 625.- | 1/12 |
| | 8 | | 5SY51087CC | 625.- | 1/12 |
| | 10 | | 5SY51107CC | 625.- | 1/12 |
| | 13 | | 5SY51137CC | 625.- | 1/12 |
| | 16 | | 5SY51167CC | 625.- | 1/12 |
| | 20 | | 5SY51207CC | 625.- | 1/12 |
| | 25 | | 5SY51257CC | 625.- | 1/12 |
| | 32 | | 5SY51327CC | 625.- | 1/12 |
| | 40 | | 5SY51407CC | 935.- | 1/12 |
| 50 | | 5SY51507CC | 935.- | 1/12 | |
| 63 | | 5SY51637CC | 935.- | 1/12 | |
| 2P, 440V DC  | 0.5 | 2 | 5SY52057CC | 1485.- | 1/6 |
| | 1 | | 5SY52017CC | 1485.- | 1/6 |
| | 2 | | 5SY52027CC | 1485.- | 1/6 |
| | 3 | | 5SY52037CC | 1485.- | 1/6 |
| | 4 | | 5SY52047CC | 1485.- | 1/6 |
| | 6 | | 5SY52067CC | 1305.- | 1/6 |
| | 8 | | 5SY52087CC | 1305.- | 1/6 |
| | 10 | | 5SY52107CC | 1305.- | 1/6 |
| | 13 | | 5SY52137CC | 1305.- | 1/6 |
| | 16 | | 5SY52167CC | 1305.- | 1/6 |
| | 20 | | 5SY52207CC | 1305.- | 1/6 |
| | 25 | | 5SY52257CC | 1305.- | 1/6 |
| | 32 | | 5SY52327CC | 1305.- | 1/6 |
| | 40 | | 5SY52407CC | 1920.- | 1/6 |
| 50 | | 5SY52507CC | 1920.- | 1/6 | |
| 63 | | 5SY52637CC | 1920.- | 1/6 | |

Betagard Residual Current Circuit Breakers 5SM3




- Standards: IS 12640, Part 1:2008/IEC 61008-1:1996
- Voltage: 240/415Vac, 50Hz
- With ISI marking: CM/L No. 7676092

Type AC, applicable in networks for AC residual currents

| | Rated residual current $I_{\Delta n}$ (mA) | Rated Current I_n (A) | MW# | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) |
|---|---|----------------------------|-----|--------------|----------------|-----------------------|
| 2 Pole  | 30 | 100 | 2 | 5SM33180KK | 15580.- | 1 |
| | 100 | 100 | | 5SM34180KK | 13715.- | 1 |
| | 300 | 100 | | 5SM36180KK | 13720.- | 1 |
| | 30 | 125 | | 5SM33150KK | 20150.- | 1 |
| | 100 | 125 | | 5SM34150KK | 17740.- | 1 |
| | 300 | 125 | | 5SM36150KK | 17745.- | 1 |

Type A, applicable in networks with AC and/or pulsating DC residual currents

| | Rated residual current $I_{\Delta n}$ (mA) | Rated Current I_n (A) | MW# | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) |
|---|---|----------------------------|-----|--------------|----------------|-----------------------|
| 2 Pole  | 30 | 100 | 2 | 5SM33186KK | 24235.- | 1 |
| | 100 | 100 | | 5SM34186KK | 24235.- | 1 |
| | 300 | 100 | | 5SM36186KK | 24235.- | 1 |
| | 30 | 125 | | 5SM33156KK | 34055.- | 1 |
| | 100 | 125 | | 5SM34156KK | 31905.- | 1 |
| | 300 | 125 | | 5SM36156KK | 31905.- | 1 |



Available till stock last

Betagard Residual Current Circuit Breakers 5SM3





- Standards: IS 12640, Part 1:2008/IEC 61008-1:1996
- Voltage: 240/415Vac, 50...60Hz
- With ISI marking: CM/L No. 7676092

Type AC, applicable in networks for AC residual currents

| | Rated residual current $I_{\Delta n}$ (mA) | Rated Current I_n (A) | MW# | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) | |
|--|---|----------------------------|-----|--------------|----------------|-----------------------|---|
|  | 2 Pole | | 2 | 5SM33120RC | 3165.- | 1 | |
| | 30 | 25 | | 5SM34120RC | 3300.- | 1 | |
| | 100 | 25 | | 5SM36120RC | 3320.- | 1 | |
| | 30 | 40 | | 5SM33140RC | 3705.- | 1 | |
| | 100 | 40 | | 5SM34140RC | 3870.- | 1 | |
| | 300 | 40 | | 5SM36140RC | 3900.- | 1 | |
| | | | | 2.5 | 5SM33160RC | 4955.- | 1 |
| | | 30 | 63 | | 5SM34160RC | 4995.- | 1 |
| | | 100 | 63 | | 5SM36160RC | 5160.- | 1 |
| | | 30 | 80 | | 5SM33170RC | 7455.- | 1 |
| | | 100 | 80 | | 5SM34170RC | 7745.- | 1 |
| | | 300 | 80 | | 5SM36170RC | 7745.- | 1 |
|  | 4 Pole | | 4 | 5SM33420RC | 4230.- | 1 | |
| | 30 | 25 | | 5SM34420RC | 4395.- | 1 | |
| | 100 | 25 | | 5SM36420RC | 4425.- | 1 | |
| | 30 | 40 | | 5SM33440RC | 4290.- | 1 | |
| | 100 | 40 | | 5SM34440RC | 4450.- | 1 | |
| | 300 | 40 | | 5SM36440RC | 4490.- | 1 | |
| | 30 | 63 | | 5SM33460RC | 4995.- | 1 | |
| | 100 | 63 | | 5SM34460RC | 5190.- | 1 | |
| | 300 | 63 | | 5SM36460RC | 5230.- | 1 | |
| | 30 | 80 | | 5SM33470RC | 6920.- | 1 | |
| | 100 | 80 | | 5SM34470RC | 6290.- | 1 | |
| | 300 | 80 | | 5SM36470RC | 6310.- | 1 | |

Type A, applicable in networks with AC and/or pulsating DC residual currents



| | Rated residual current $I_{\Delta n}$ (mA) | Rated Current I_n (A) | MW# | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) | |
|---|---|----------------------------|-----|--------------|----------------|-----------------------|---|
|  | 2 Pole | | 2 | 5SM33126RC | 4855.- | 1 | |
| | 30 | 25 | | 5SM34126RC | 5725.- | 1 | |
| | 100 | 25 | | 5SM36126RC | 5725.- | 1 | |
| | 30 | 40 | | 5SM33146RC | 5515.- | 1 | |
| | 100 | 40 | | 5SM34146RC | 5745.- | 1 | |
| | 300 | 40 | | 5SM36146RC | 5745.- | 1 | |
| | | | | 2.5 | 5SM33166RC | 8015.- | 1 |
| | | 30 | 63 | | 5SM34166RC | 8245.- | 1 |
| | | 100 | 63 | | 5SM36166RC | 7850.- | 1 |
| | | 30 | 80 | | 5SM33176RC | 8620.- | 1 |
| | | 100 | 80 | | 5SM34176RC | 9275.- | 1 |
| | | 300 | 80 | | 5SM36176RC | 8830.- | 1 |
|  | 4 Pole | | 4 | 5SM33426RC | 5770.- | 1 | |
| | 30 | 25 | | 5SM34426RC | 7115.- | 1 | |
| | 100 | 25 | | 5SM36426RC | 7115.- | 1 | |
| | 300 | 25 | | 5SM36426RC | 7115.- | 1 | |
| | 30 | 40 | | 5SM33446RC | 6365.- | 1 | |
| | 100 | 40 | | 5SM34446RC | 7115.- | 1 | |
| | 300 | 40 | | 5SM36446RC | 7115.- | 1 | |
| | 30 | 63 | | 5SM33466RC | 7265.- | 1 | |
| | 100 | 63 | | 5SM34466RC | 7225.- | 1 | |
| | 300 | 63 | | 5SM36466RC | 7225.- | 1 | |
| | 30 | 80 | | 5SM33476RC | 8735.- | 1 | |
| | 100 | 80 | | 5SM34476RC | 7760.- | 1 | |
| | 300 | 80 | | 5SM36476RC | 7760.- | 1 | |

Betagard Residual Current Circuit Breakers 5SM3





- Standards: IS 12640, Part 1:2008/IEC 61008-1:1996
- Voltage: 240/415Vac, 50Hz
- With ISI marking: CM/L No. 7676092

Type A, applicable in networks with AC and/or pulsating DC residual currents

| | | Rated residual current $I_{\Delta n}$ (mA) | Rated Current I_n (A) | MW [#] | Reference No | Unit MRP* ₹ | Std. Pkg.** (Nos.) |
|--|--------|---|----------------------------|-----------------|--------------|----------------|-----------------------|
|  | 2 Pole | 30 | 25 | 2 | 5SM33126RC01 | 10715.- | 1 |
| | | 30 | 40 | | 5SM33146RC01 | 10750.- | 1 |
| | 4 Pole | 30 | 63 | 2.5 | 5SM33166RC01 | 15585.- | 1 |
| | | 300 | 63 | | 5SM36166RC01 | 15510.- | 1 |
| | | 30 | 25 | 4 | 5SM33426RC01 | 14450.- | 1 |
| | | 30 | 40 | | 5SM33446RC01 | 13245.- | 1 |
| | | 300 | 40 | | 5SM36446RC01 | 13015.- | 1 |
| | | 30 | 63 | | 5SM33466RC01 | 13245.- | 1 |
| | 300 | 63 | 5SM36466RC01 | | 13015.- | 1 | |
| | 300 | 80 | 5SM36476RC01 | | 14060.- | 1 | |
|  | 2 Pole | 300 | 40 | 2 | 5SM36148RC | 12305.- | 1 |
| | | 100 | 63 | 2.5 | 5SM34168RC | 12690.- | 1 |
| | | 300 | 63 | | 5SM36168RC | 10675.- | 1 |
| | | 300 | 80 | | 5SM36178RC | 11185.- | 1 |
| | 4 Pole | 100 | 40 | 4 | 5SM34448RC | 10520.- | 1 |
| | | 300 | 40 | | 5SM36448RC | 10765.- | 1 |
| | | 100 | 63 | | 5SM34468RC | 10890.- | 1 |
| | | 300 | 63 | | 5SM36468RC | 10765.- | 1 |
| | | 300 | 125 | | 5SM36458RC | 37910.- | 1 |
| | | 500 | 125 | | 5SM37458RC | 39515.- | 1 |

Type B, applicable in networks with AC, pulsating DC and pure DC residual currents

| | | | | | | | |
|---|--------|-----|----|---|------------|---------|---|
|  | 4 Pole | 30 | 25 | 4 | 5SM33424RC | 37300.- | 1 |
| | | 300 | 25 | | 5SM36424RC | 39560.- | 1 |
| | | 30 | 40 | | 5SM33444RC | 37300.- | 1 |
| | | 300 | 40 | | 5SM36444RC | 39500.- | 1 |
| | | 30 | 63 | | 5SM33464RC | 39720.- | 1 |
| | | 300 | 63 | | 5SM36464RC | 39720.- | 1 |
| | | 500 | 63 | | 5SM37464RC | 44225.- | 1 |
| | | 30 | 80 | | 5SM33474RC | 37300.- | 1 |
| | | 300 | 80 | | 5SM36474RC | 39720.- | 1 |
| | | 500 | 80 | | 5SM37474RC | 44225.- | 1 |
|  | 4 Pole | 300 | 63 | 4 | 5SM36465RC | 39595.- | 1 |
| | | 500 | 63 | | 5SM37465RC | 44910.- | 1 |
| | | 300 | 80 | | 5SM36475RC | 39595.- | 1 |
| | | 500 | 80 | | 5SM37475RC | 44910.- | 1 |

Note:

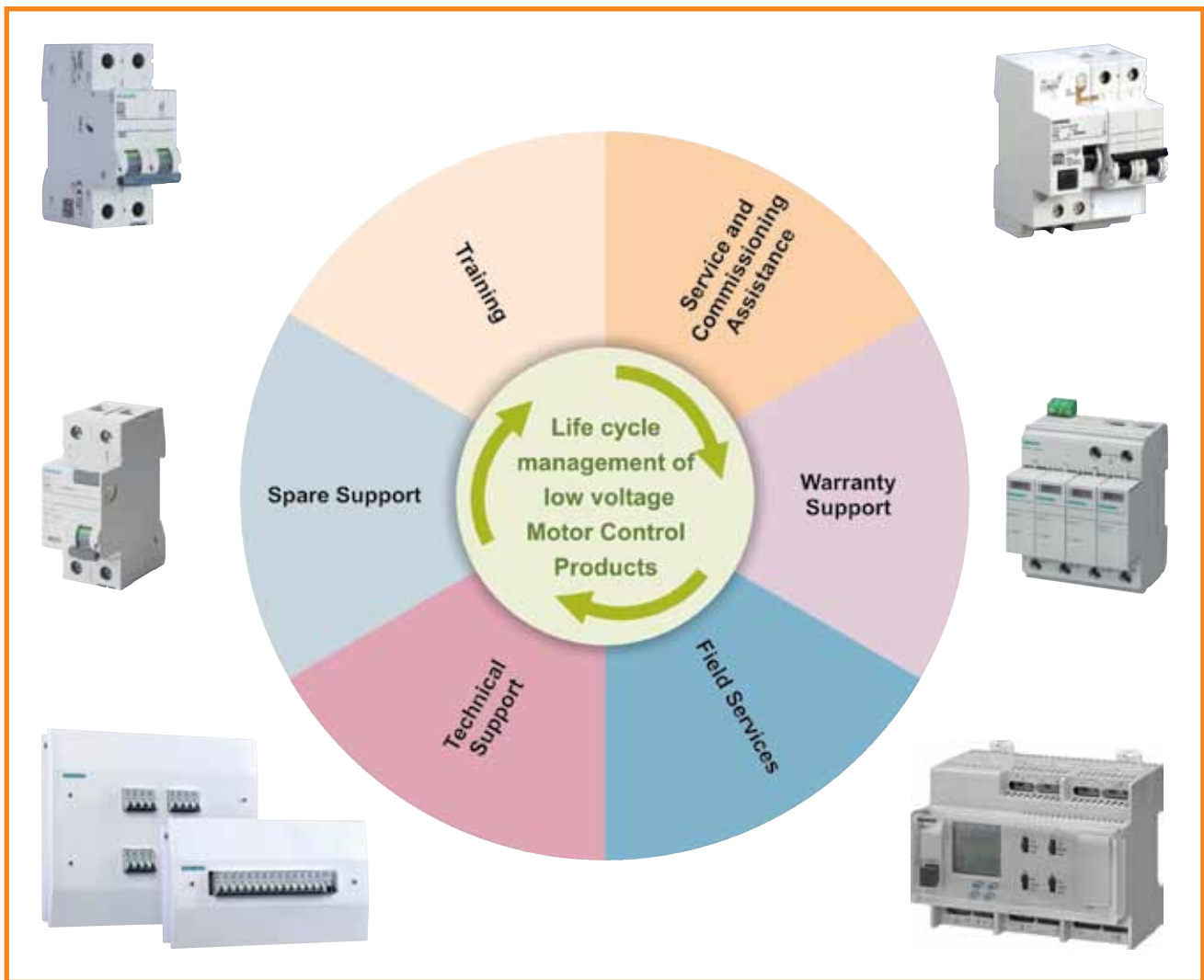
* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm

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